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Department of
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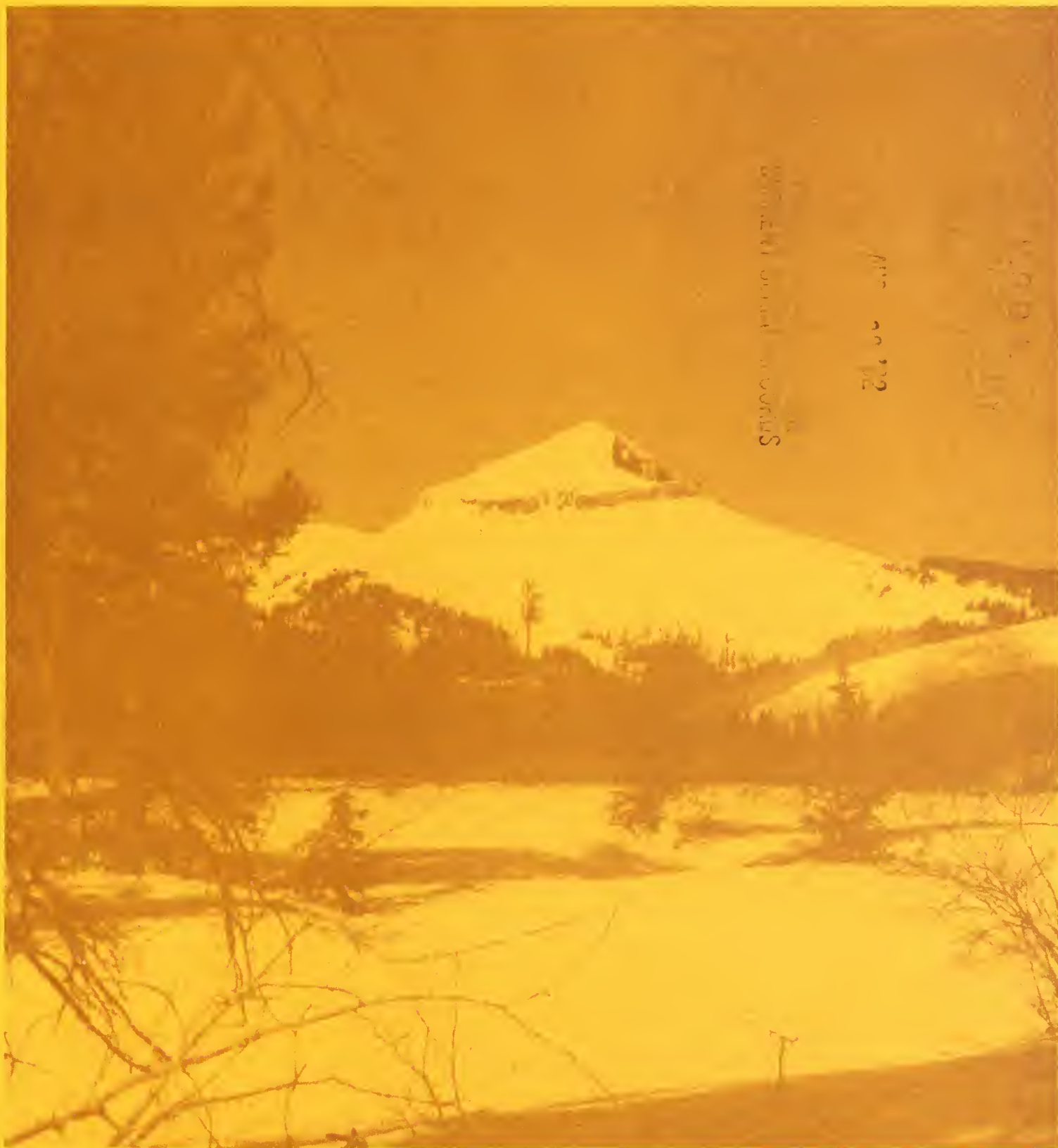
Soil
Conservation
Service

Salt Lake City
Utah



WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department
of Natural Resources



June 1, 1982

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: LONE CONE, NEAR NORWOOD, COLORADO

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

FOR UTAH

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

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WASHINGTON, D.C.

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UTAH STATE DEPARTMENT OF NATURAL RESOURCES

DEE C. HANSEN State Engineer Division of Water Rights	DANIEL F. LAWRENCE Director Division of Water Resources
--	--

**Soil Conservation Service
125 So. State, Fed. Bldg.
P.O. Box 11350
Salt Lake City, Utah 84147**

As Of June 1, 1982

* * * * *
* Utah's 1982 Water Supply Outlook ranges from below *
* average in Southwestern and Southeastern Utah to much *
* above average in portions of Central and Northern Utah. *
* High elevation snowpack ranges from no snow on southern *
* courses to more than twice the June 1 average on a *
* number of Central and Northern Utah courses. Reservoir *
* storage is near normal for June 1 and streamflow *
* forecasts range from 48% of average on the Santa Clara *
* to 293% for Minersville Inflow. *
* * * * *

SNOW COVER

Snow measurements as of June 1 varied from no snow on the Enterprise-New Harmony, Blue Mountain, LaSal Mountain, Virgin River, Price River, Fremont River, Muddy River, Strawberry River, Ashley Creek, and Coal Creek snow courses to 198% of the June 1 average on the Ogden River. Other areas of the state measured 191% on the Lakefork-Yellowstone Rivers, 188% on the San Rafael and Provo River-Utah Lake, 186% on the Upper Bear, 185% on the Uintah-Whiterock Rivers, 183% on the Beaver River, 176% on the Logan River, 160% on the Weber River and Sevier River, 122% on Black's Fork and 102% on Parowan Creek.

PRECIPITATION

May precipitation at mountain stations ranged from 41% of average for Farmington Guard Station on Farmington Creek and Long Flat above New Harmony to 194% at Tall Poles on Parowan Creek.

SOIL MOISTURE

Watershed soil moisture ranges from below average in Southwestern Utah to above average in Northern and Central areas of the state following melt of abnormally heavy snowpack.

RESERVOIR STORAGE

Storage in 16 of Utah's key irrigation reservoirs is 100% of the June 1 average and 86% of useable capacity. Nearly all reservoirs in the state are expected to fill this year with the exception of perhaps Sevier Bridge and Willard Bay.

The Great Salt Lake is now at 4,200.90 feet, 0.50 foot higher than last month and 0.50 foot higher than a year ago. Utah Lake is 1.3 feet above compromise.

STREAMFLOW FORECASTS

Forecasts of streamflow range from 48% of average for the Santa Clara to 293% for Minersville Reservoir Inflow. Most other forecasts range from 120 to 170% of average. Less than average May precipitation at many sites in the Bear, Weber-Ogden, and Duchesne basins led to forecast reductions of from 1 to 13% on many streams.

Water supplies are still expected to be average to above average for all users except on smaller streams or streams without stored water in the southern one-fourth of the state.

Residents in areas with high mean daily peak flow forecasts at which peaks have not yet occurred should take continued precautions against property damage.

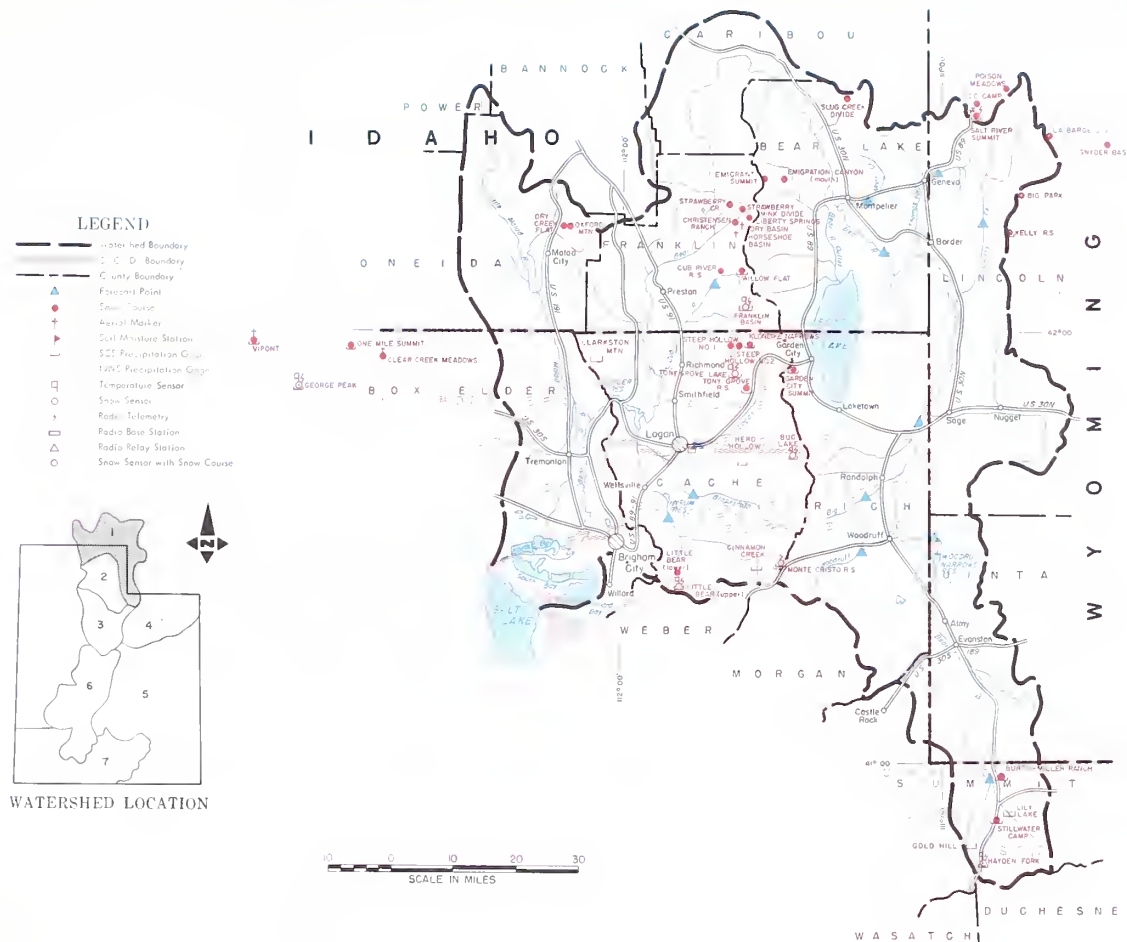
RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH as of June 1, 1982

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1153.1	1070.0	1134.2
	Woodruff Narrows	57.3	57.3	42.2	26.5
	Birch Creek	2.2			
	Woodruff Creek	4.0	4.0	--	--
<u>Beaver River</u>	Minersville (RkyFd)	23.3	16.3	21.7	23.3
<u>Little Bear</u>	Hyrum	15.3	15.3	15.8	15.3
	Porcupine	11.3	11.3	9.8	11.3
<u>Ogden</u>	Causey	6.9	7.0	6.9	6.9
	Pineview	110.1	109.9	87.7	110.1
<u>Provo</u>	Deer Creek	149.7	146.2	152.9	142.7
<u>Settlement Creek</u>	Settlement Creek	1.2	1.0	0.8	--
	Vernon Creek	0.6	0.6	0.6	--
<u>Sevier River</u>	Gunnison	18.2	18.2	16.2	18.2
	Otter Creek	52.5	52.7	38.6	52.5
	Piute	71.8	69.3	58.9	71.8
	Sevier Bridge	236.0	195.6	201.4	--
	Panguitch Lake	22.3	22.3	21.7	--
<u>Spanish Fork</u>	Strawberry	270.0	253.5	229.5	--
<u>Utah Lake</u>	Utah Lake	883.9	1024.1	888.7	--
<u>Weber</u>	East Canyon	48.1	48.9	46.7	48.1
	Echo	73.9	66.9	74.5	72.0
	Lost Creek	20.0	20.4	18.8	20.0
	Rockport	60.9	46.2	63.4	61.8
	Willard Bay	193.3	175.0	184.6	193.3
COLORADO RIVER BASIN					
<u>Ashley Creek</u>	Steinaker	33.3	33.3	31.3	--
<u>Colorado</u>	Blue Mesa	829.5	394.9	379.3	450.0
	Lake Powell	25002.0	21127.0	21586.0	19600.0
<u>Green</u>	Flaming Gorge	3749.0	2723.0	2972.1	2566.0
<u>Lakefork</u>	Moon Lake	35.8	16.8	11.5	--
<u>Price River</u>	Scofield	65.8	66.3	55.6	--
<u>San Juan</u>	Navajo	1696.0	1397.9	1280.0	1400.0
	Ken's Lake	2.7	1.7	1.0	--
<u>San Rafael</u>	Huntington North	3.9	3.3	4.1	--
	Joe's Valley	54.6	39.3	49.9	--
	Mill Site	16.7	14.7	13.1	--
<u>Strawberry</u>	Starvation	165.3	164.4	152.9	--
<u>Uintah</u>	Bottle Hollow	11.3	10.9	11.3	--

WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER as of the last week of May still ranged from 176% of average on the Logan and Lower Bear to 186% on the Upper Bear. Snow was still heavy on the upper elevations but bare on medium and lower elevations.

PRECIPITATION at mountain locations was generally below average for May and ranged from 43% of average at Burts-Miller Ranch to 98% at Monte Cristo Ranger Station.

SOIL MOISTURE is good at higher elevations but beginning to dry out at lower elevations.

RESERVOIR STORAGE is above average with all reservoirs full except Bear Lake.

STREAMFLOW FORECASTS dropped 1 to 13% due to below average May precipitation and now range from 110% of the May-July average for the Bear at Utah-Wyoming line to 160% of the May-June average for the Little Bear near Paradise.

All water users are expected to have good water supplies this season.

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	120	110	May-July	92.1	109
Bear nr Woodruff	174	138	May-July	95.1	126
Woodruff Crk nr Woodruff, UT	20	124	May-July	--	16.3
Big Creek nr Randolph, UT	7.4	137	May-July	--	4.8 ^b
Bear nr Randolph	118	128	May-July	--	92
Thomas Fork nr UT-WY State Ln	39	129	May-Sept	--	30
Smith's Fork nr Border, WY	146	130	May-Sept	--	112
Bear at Harer, Idaho 1/	323	119	May-Sept	--	271
Logan nr Logan 1/	130	124	May-July	57.5	104
Blacksmith Fork nr Hyrum	59	146	May-July	17.6	40
Little Bear nr Paradise	42	160	May-June	6.0	26
Cub River nr Preston, ID	62	126	May-Sept	--	49
1/ Observed flow corrected for change in storage and diversions					
2/ Provisional flows - Subject to correction					
b - Average of all past record - less than 15 years					

1/ Observed flow corrected for change in storage and diversions

2/ Provisional flows - Subject to correction

b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
BEAR RIVER	13	942	178
UPPER BEAR RIVER	4	181	186
LOWER BEAR RIVER	9	863	176
LOGAN RIVER	7	863	176

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
BEAR RIVER	Bear Lake	1421.0	1153.1	1075.0	1134.2
	Woodruff Narrows	57.3	57.3	42.2	26.5
	Woodruff Creek	4.0	4.0		
LITTLE BEAR	Hyrum	15.3	15.3	15.8	15.3
	Porcupine	11.3	11.3	9.8	11.3

+ - 1963-77 15 year Average Period
e - estimated

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Creek nr Randolph	60-100	63
Logan River nr Logan	1150-1450	1016
Woodruff Creek nr Woodruff	310-450	239
Little Bear nr Paradise	610-770	507
Bear nr. Ut.-Wyo. Stateline	1770-2140	1600

(a) - Maximum mean daily peak flow

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Burts-Miller Ranch	5/25	0	0.0	0.0	0.0 ^b
Cub River R.S.	5/26	0	0.0	0.0	
Franklin Basin	5/26	47	24.0	0.0	12.9 ^b
Hayden Fork	5/25	12	5.5	0.0	5.1 ^b
Klondike Narrows	5/26	3	1.8	0.0	1.4 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Little Bear Lower	5/26	0	0.0	0.0	0.0 ^b
Little Bear Upper	5/26	0	0.0	0.0	0.0 ^b
Monte Cristo	5/26	44	23.4	1.8	10.1
Salt River Summit	5/27	0	0.0	0.0	
Stillwater Camp	5/25	0	0.0	0.0	0.3 ^b
Tony Grove R.S.	5/26	0	0.0	0.0	0.0 ^b
Tony Grove Lake	5/26	67	35.3	1.1	23.6 ^b

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER on the Ogden River is still about twice the June 1 average although only higher elevations had snow remaining. Weber River snow cover is 160% of average and about 5 times last year on June 1st.

PRECIPITATION at mountain locations was generally below average and ranged from 41% of average at Farmington G.S. to 88% at Dry Bread Pond.

SOIL MOISTURE is above average at higher elevations but beginning to dry out at lower elevations.

RESERVOIR STORAGE is near to above average with Causey, East Canyon, and Lost Creek full and Pineview, Echo, and Rockport expected to fill very soon. Willard Bay still lacks 18,300 acre feet to fill.

STREAMFLOW FORECASTS show a 1 to 7% decrease from May 1 due to below average May precipitation. Forecasts now range from 113% on Hardscrabble Creek to 158% for the Weber at Gateway for the May-June period.

All water users are expected to have a good water supply this season.

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
BASIN, STREAM and/or FORECAST POINT					
WEBER-OGDEN RIVERS					
Weber nr Oakley	137	143	May-June	83.3	96
Rockport Reservoir Inflow 1/	154	157	May-June	80.7	98
Chalk Creek at Coalville	58	176	May-June	22.2	33
Weber nr Coalville	155	149	May-June	71.0	104
Lost Creek nr Croydon, UT	16.1	128	May-June	2.6	12.6
East Canyon Creek nr Morgan 1/	23	135	May-June	7.7	17.3
Hardscrabble Crk nr Porterville	16.6	113	May-June		14.7 ^b
South Fork Ogden nr Huntsville	52	124	May-June	14.1	42
Pineview Reservoir Inflow 2/	97	127	May-June	26.3	76
Echo Reservoir Inflow	205	154	May-June	85.0	133
Weber at Gateway	376	158	May-June	120.5	238
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	9.9	144	May-July	4.0	6.9

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
OGDEN RIVER	4		198
WEBER RIVER	8	501	160

1 - Observed flow corrected for change in storage and diversions
 2 - Inflow record as computed by U. S. Bureau of Reclamation
 3 - Provisional flows - Subject to Correction
 b - Average of all past record - less than 15 years
 e - estimated
 + - 1963-77 15 year Average Period
 (a) - Maximum mean daily peak flow

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
OGDEN	Causey	6.9	7.0	6.9	6.9
	Pineview	110.1	109.9	87.7	110.1
WEBER	East Canyon	48.1	48.9	46.7	48.1
	Echo	73.9	66.9	74.5	72.0
	Lost Creek	20.0	20.4	18.8	20.0
	Rockport	60.9	46.2	63.4	61.8
	Willard Bay	193.3	175.0	184.6	193.3

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Lost Creek nr Croydon	320-460	220
South Fork Ogden nr Huntsville	880-1180	772
Chalk Creek nr Coalville	790-1040	569
Weber nr. Oakley	1900-2600	1690

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Beaver Creek R.S.	5/25	0	0.0	0.0	0.0
Beaver Creek-Skunk Creek	5/26	0	0.0	0.0	0.0 ^b
Ben Lomond Peak	5/26	44	25.2	0.0	14.0 ^a
Ben Lomond Trail	5/26	0	0.0	0.0	0.0 ^b
Chalk Creek #1	5/25	47	23.0	10.6	15.3 ^b
Chalk Creek #2	5/25	0	0.0	0.0	1.7 ^b
Chalk Creek #3	5/25	0	0.0	0.0	0.0 ^b
Dry Bread Pond	5/26	15	7.7	0.0	2.6 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Horse Ridge	5/26	19	10.5	0.0	2.4 ^b
Lost Creek Reservoir	5/26	0	0.0	0.0	0.0 ^b
Monte Cristo	5/26	44	23.4	1.8	10.1
Parleys Canyon Summit	5/27	0	0.0	0.0	0.9 ^b
Sagebrush Flat	5/26	0	0.0	0.0	0.0 ^b
Smith & Morehouse	5/25	0	0.0	0.0	0.5 ^b
Trial Lake	5/25	65	35.4	14.4	18.2

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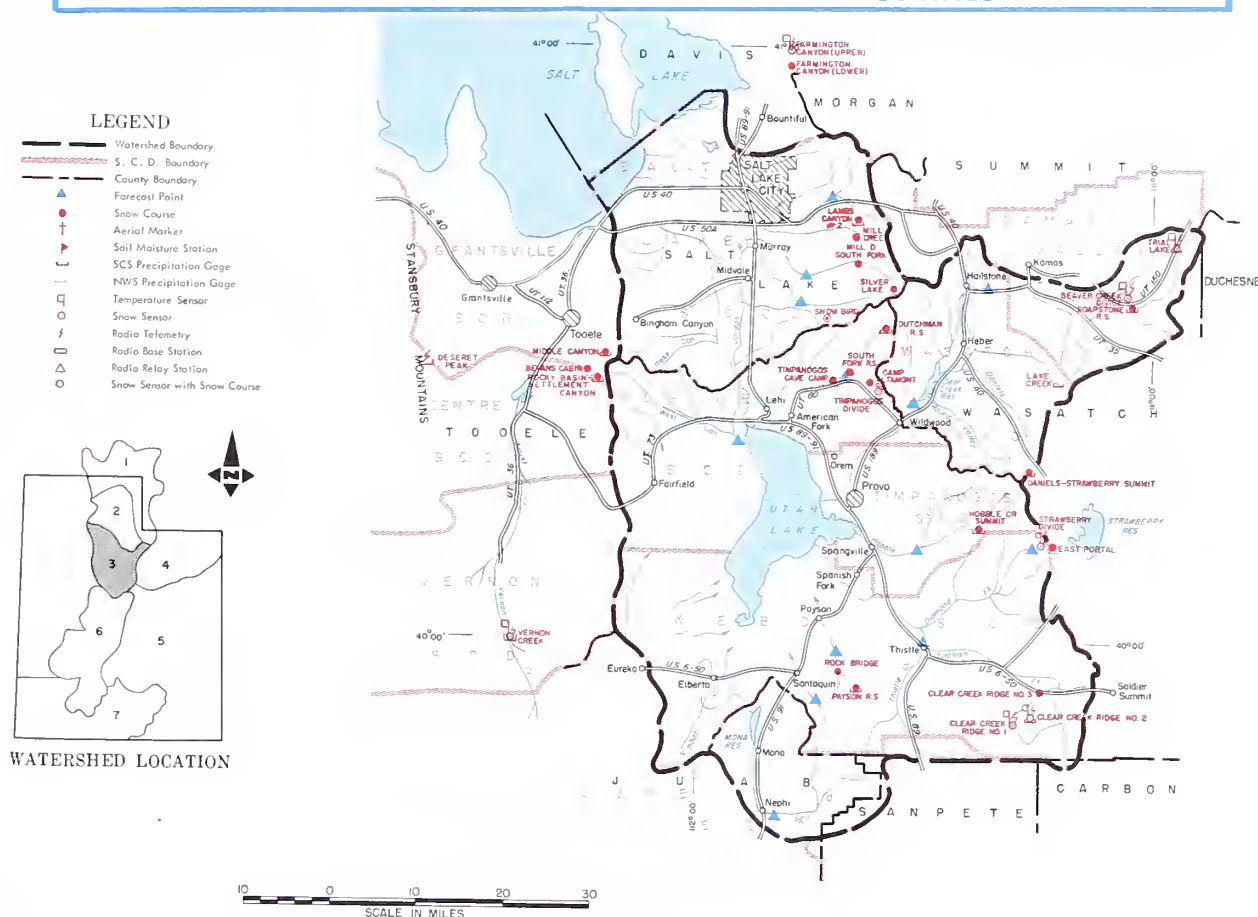
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WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER on the Provo River and Utah Lake drainages is 188% of the June 1 average and Silver Lake Brighton is 176%.

PRECIPITATION at mountain stations ranged from 57% of the May average at Payson Ranger Station to 99% of average at Trial Lake.

SOIL MOISTURE is generally above average following melt of above average snowpack.

RESERVOIR STORAGE is at or above average. Utah Lake is now 1.3 feet above compromise.

STREAMFLOW FORECASTS are unchanged from May 1 forecasts ranging from 100% of the May-June average for Vernon Creek near Vernon in Tooele County to 204% of the May-July average for the American Fork River near American Fork.

Average to better than average water supplies are expected for all water users this season.

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	161	173	May-July		93
Provo below Deer Creek Dam 1/	175	177	May-July		99
American Fork nr American Fork	57	204	May-July		28
Hobble Creek nr Springville	23	160	May-July		14.4
Strawberry Reservoir Inflow 1/	67	160	May-July		42 ^b
Spanish Fork at Thistle	50	166	May-July		30
Payson Creek nr Payson	6.5	127	May-July		5.1 ^b
Utah Lake Inflow	269	155	May-July		174
JORDAN RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	44	124	May-July		36
Big Cottonwood nr SLC	46	135	May-July		34
Parley's Creek nr SLC	18.3	151	May-July		12.1
Mill Creek nr SLC	9.0	167	May-July		5.4
Emigration Creek nr SLC	3.5	121	May-July		2.9
City Creek nr SLC	3.1	107	May-July		2.9
TOOELE VALLEY					
Vernon Creek nr Vernon	0.5	100	May-June	0.5	0.5
Settlement Crk nr Tooele	2.4	114	May-July	--	2.1 ^b
S. Willow Crk nr Grantsville	3.6	139	May-July		2.6

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PROVO RIVER & UTAH LAKE	9	347	188
JORDON RIVER & SALT LAKE	1	--	176
TOOELE VALLEY	--	--	--

1 - Observed flow corrected for change in storage and diversions
a - Maximum mean daily peak flow
b - Average of past record - less than 15 years
+ - 1963-77 15 year average period
e - Partly estimated

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
SPANISH FORK	Strawberry	270.0	253.5	229.5	--
UTAH LAKE	Utah Lake	883.9	1024.1	888.7	--
	Settlement Creek	1.2	1.0	0.8	--
	Vernon Creek	0.6	0.6	0.6	--
PROVO	Deer Creek	149.7	146.2	152.9	142.7

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
American Fork	500-600	
Provo nr Hailstone	2200-2600	
Spanish Fork nr Thistle	700-900	
Big Cottonwood nr Salt Lake City	450-550	
Little Cottonwood nr Salt Lake City	500-600	
Mill Creek nr Salt Lake City	70-90	
Parley's Creek nr Salt Lake City	200-250	
Emigration Creek nr Salt Lake City	50-70	
City Creek nr Salt Lake City	90-110	
Stone Creek nr Bountiful	45-55	
Mill Creek nr Bountiful	50-70	

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Bevans Cabin				0.0	--
Camp Altamont				0.0	--
Clear Creek #1	5/26	17	8.4	0.0	2.7 ^b
Clear Creek #2	5/26	0	0.0	0.0	0.3 ^b
Clear Creek #3	5/26	0	0.0	0.0	0.0 ^b
Daniels-Strawberry Summit	5/27	0	0.0	0.0	0.2 ^b
Dutchman R.S.	5/27	0	0.0	0.0	0.4 ^b
Hobble Creek Summit	5/27	0	0.0	0.0	0.0 ^b
Lambs Canyon #2	5/25	0	0.0	0.0	--
Middle Canyon	6/2	0	0.0	0.0	--
Mill Creek	5/27	20	10.1	0.0	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Mill D South Fork	5/27	0	0.0	0.0	--
Parley's Canyon Summit	5/27	0	0.0	0.0	0.9 ^b
Payson R.S.	5/25	0	0.0	0.0	1.0 ^b
Rocky Basin-Settlement Canyon	5/28		14.5 ^e	5.1	--
Silver Lake Brighton	5/27	30	21.0	0.0	11.9 ^b
Soapstone R.S.	5/25	0	0.0	0.0	0.3 ^b
South Fork R.S.				0.0	--
Timpanogos Divide	5/27	10	6.2	0.0	3.7 ^b
Trial Lake	5/25	65	35.4	14.4	18.2
Vernon Creek	5/24	0	0.0	0.0	0.0

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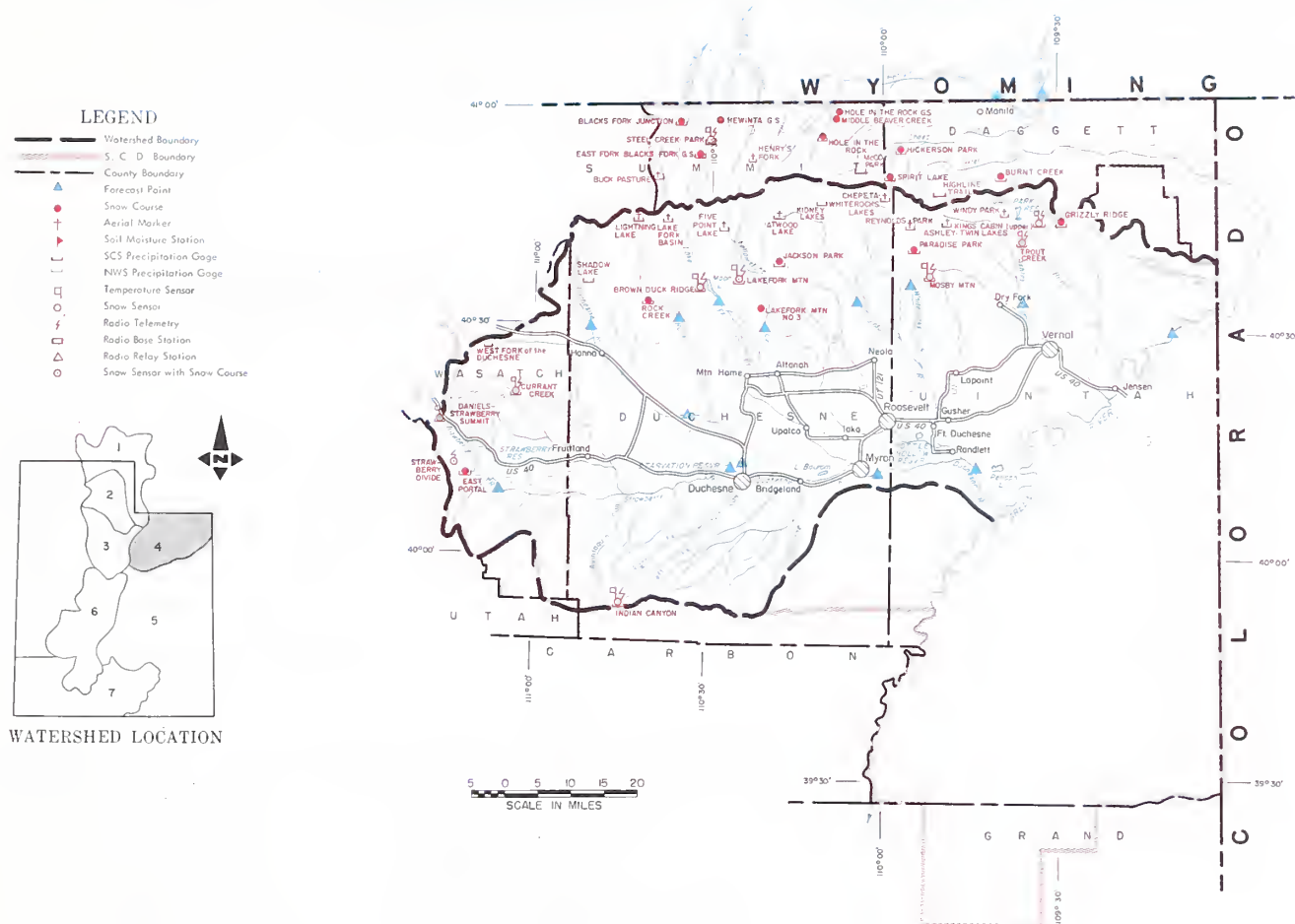
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from no snow on Strawberry and Ashley Creek snow courses to 222% of average on the Duchesne as a whole. Lakefork-Yellowstone is 191% of average and Uintah-Whiterocks 185%. High aerial markers were flown on June 2nd and snow cover was heavier on them than in 1978, the last high year.

PRECIPITATION at mountain stations ranged from 61% of average at Currant Creek to 124% at Paradise Park.

SOIL MOISTURE is better than average at higher elevations.

RESERVOIR STORAGE is near average.

STREAMFLOR FORECASTS decreased 1 to 8% due to the below average May precipitation and now range from 96% of average on Henry's Fork to 208% for the Duchesne at Myton. Lakefork is forecast 119% and Ashley Creek 113% of average.

All water users are expected to have good water supplies this season.

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	147	151	May-July	63.3	98
Duchesne at Duchesne 1/	257	143	May-July	69.7	180
Strawberry at Duchesne	84	176	May-July	17.6	48
Rock Creek nr Mtn. Home	133	146	May-July	62.8	91
Currant Creek nr Fruitland	27	166	May-July	7.6	16.5
Lakefork below Moon Lake 1/	82	119	May-July	60.4	69
Yellowstone nr Altonah	74	116	May-July	43.3	63
Duchesne at Myton 1/	401	208	May-July	65.7	193
Whiterocks nr Whiterock	70	121	May-July	39.2	58
Uintah nr Neola	98	116	May-July	65.4	85
Duchesne at Randlett 1/	430	193	May-July	85.3	223
West Fork Duchesne at Hanna	37	154	May-July		24
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork at Linwood	47	96	May-Sept		49
Black's Fork at Millburne	110	122	May-July		90
Flaming Gorge Inflow 1/	1650	128	May-July		1292
Ashley Creek nr VernaT	56	113	May-July	30.8	49

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
DUCHESNE RIVER - TOTAL	11	345	222
LAKEFORK-YELLOWSTONE CREEKS	3	232	191
STRAWBERRY RIVER	3	0	0
UINTAH - WHITEROCKS RIVERS	2	--	185
ASHLEY CREEK	3	0	0
BLACK'S FORK	4	143	122

1/ Observed flow corrected for change in storage and diversions
a - Maximum mean daily peak flow
b - Average of all past record - less than 15 years

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
ASHLEY CREEK	Steinaker	33.3	33.3	31.3	--
GREEN RIVER	Flaming Gorge	3749.0	2723.0	2972.1	2566.0
LAKE FORK	Moon Lake	35.8	16.8	11.5	--
STRAWBERRY	Starvation	165.3	164.4	152.9	--
UINTAH	Bottle Hollow	11.3	10.9	11.3	--

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range a	Average †
Strawberry at Duchesne	1200-1600	656
Ashley Creek nr Vernal	750-1250	1030
Rock Creek nr Mtn. Home	2030-2070	1432

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Atwood Lake (A)	6/2	21	11.5	4.4	--
Brown Duck Ridge	5/25	58	22.5	12.4	11.5b
Currant Creek	5/27	0	0.0	0.0	0.0b
Daniels-Strawberry	5/27	0	0.0	0.0	0.2b
Hewinta G. S.	5/25	4	1.4	0.0	2.4b
Hickerson Park	5/25	0	0.0	0.0	--
Jackson Park	5/25	26	10.4	4.6	--
Kings Cabin Upper	5/25	0	0.0	0.0	1.5b
Lakefork Basin (A)	6/2	51	25.5	12.1	--
Lightning Lake (A)	6/2	69	34.5	19.3	--
Five Points Lake (A)	6/2	27	13.5	13.4	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Lakefork Mountain	5/25	16	6.3	0.0	3.6b
Mosby Mountain	5/25	15	5.2	0.0	2.8b
Paradise Park	5/25	29	12.4	0.0	6.7b
Rock Creek Ranch	5/25	0	0.0	0.0	1.3b
Spirit Lake	5/25	24	10.6	0.0	7.1b
Steel Creek Park	5/25	48	19.5	14.6	12.0b
Strawberry Divide	6/1	0	0.0	0.0	0.0b
Trout Creek	5/25	0	0.0	0.0	--

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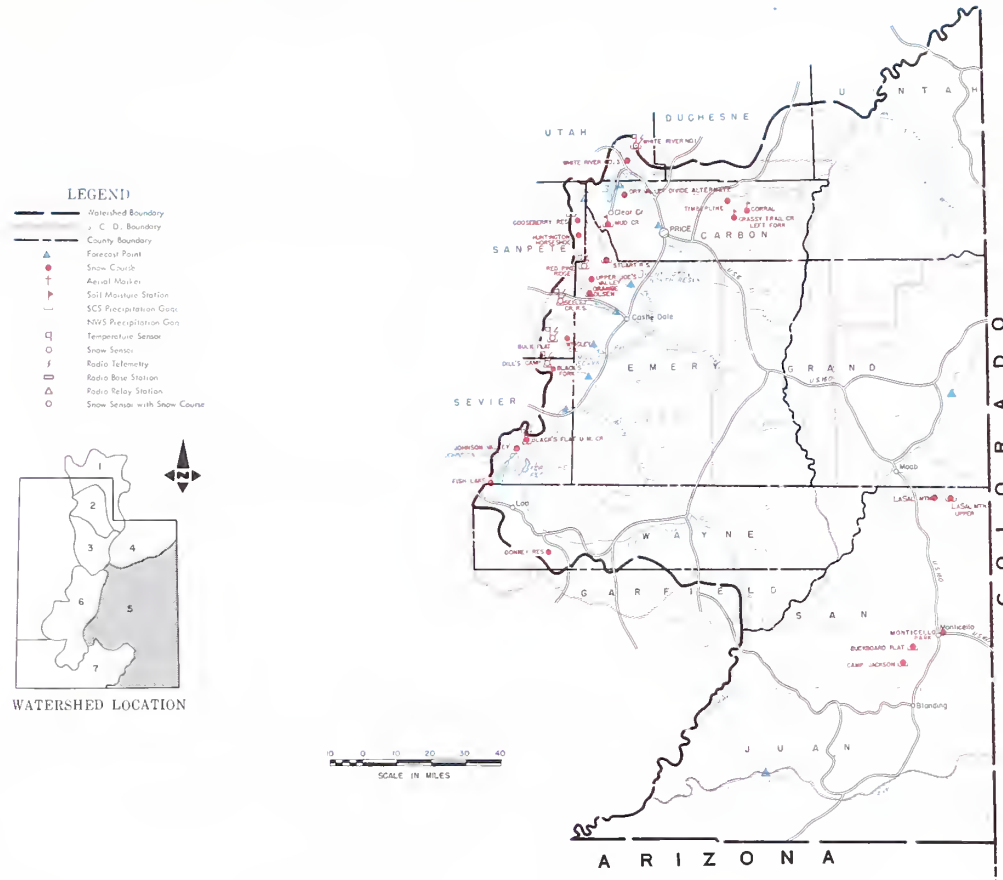
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WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1982

THE WATER SUPPLY OUTLOOK IS GENERALLY ABOVE AVERAGE

SNOW COVER as of June 1 ranged from no snow on Blue Mountain, Fremont River, Muddy River, LaSal Mountain, and Price River courses to 188% of the June 1 average on the San Rafael.

PRECIPITATION at mountain stations ranged from 56% of the May average at Mud Creek on the Price River to 134% at Buckboard Flat in the Blue Mountains with most other stations receiving approximately two-thirds of the May average.

SOIL MOISTURE is drying with the end of snowmelt and below normal precipitation in most areas.

RESERVOIR STORAGE is variable ranging from 63% of capacity at Ken's Lake near Moab to full at Scofield.

STREAMFLOW FORECASTS dropped 1 to 9% due to below average May precipitation and now range from 54% of normal May-July flow for Mill Creek near Moab to 206% for Muddy Creek near Emery.

All water users are expected to have above average water supplies except from streams on the Blue and LaSal Mountains where shortages are expected if reservoir storage is unavailable.

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	14	149	May-July		9.4
Scofield Reservoir Inflow	53	169	May-July		31
Price nr Heiner 1/	87	167	May-July		52
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	66	156	May-July		42
Cottonwood Crk nr Orangeville	64	155	May-July	26.7	41 ^b
Ferron Creek nr Ferron	60	189	May-July	17.3	32
MUDDY CREEK					
Muddy Creek nr Emery	32	206	May-July	7.6	15.5
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3300.0	122	May-July		2716
Green at Green River, UT	3950.0	132	May-July		2974
Mill Creek nr Moab	2.3	54	May-July	2.7	4.3 ^b
Navajo Reservoir Inflow	760	125	May-July		608
San Juan nr Bluff, UT	1050.0	121	May-July		865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	7.1	124	May-July	2.9	5.7

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	1	--	--
SAN RAFAEL RIVER	4	560	188
FREMONT RIVER	1	--	--
LASAL MOUNTAINS	--	--	--
BLUE MOUNTAINS	--	--	--
1 - Observed flow corrected for change in storage and diversions a - Maximum mean daily peak flows b - Average of all past record - less than 15 years + - 1963-77 15 Year Average Period			

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
PRICE RIVER	Scofield	65.8	66.3	55.6	--
SAN RAFAEL	Huntington North	3.9	3.3	4.1	--
	Joe's Valley	54.6	39.3	49.9	--
	Mill Site	16.7	14.7	13.1	--
SAN JUAN	Navajo	1696.0	1397.9	1280.0	1400.0

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Ferron Creek near Ferron	610-910	422
Muddy Creek near Emery	220-350	154

SNOW

ORAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Buck Flat	5/26	20	9.4	0.0	3.1 ^b
Buckboard Flat	5/26	0	0.0	0.0	--
Camp Jackson	5/26	0	0.0	0.0	0.0 ^b
Dills Camp	5/26	0	0.0	0.0	--
Dry Valley Divide Alternate	5/27	0	0.0	0.0	--
Huntington-Horseshoe	5/26	39	19.0	4.3	--

SNOW

ORAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Mammoth-Cottonwood R.S.	5/26	20	10.4	0.0	4.4 ^b
Monticello City Park	5/27	0	0.0	0.0	--
Mud Creek	5/26	0	0.0	0.0	0.0 ^b
Seeley Creek	5/26	24	10.9	0.0	8.1 ^b
White River #1	5/27	0	0.0	0.0	0.4 ^b
White River #3	5/27	0	0.0	0.0	--

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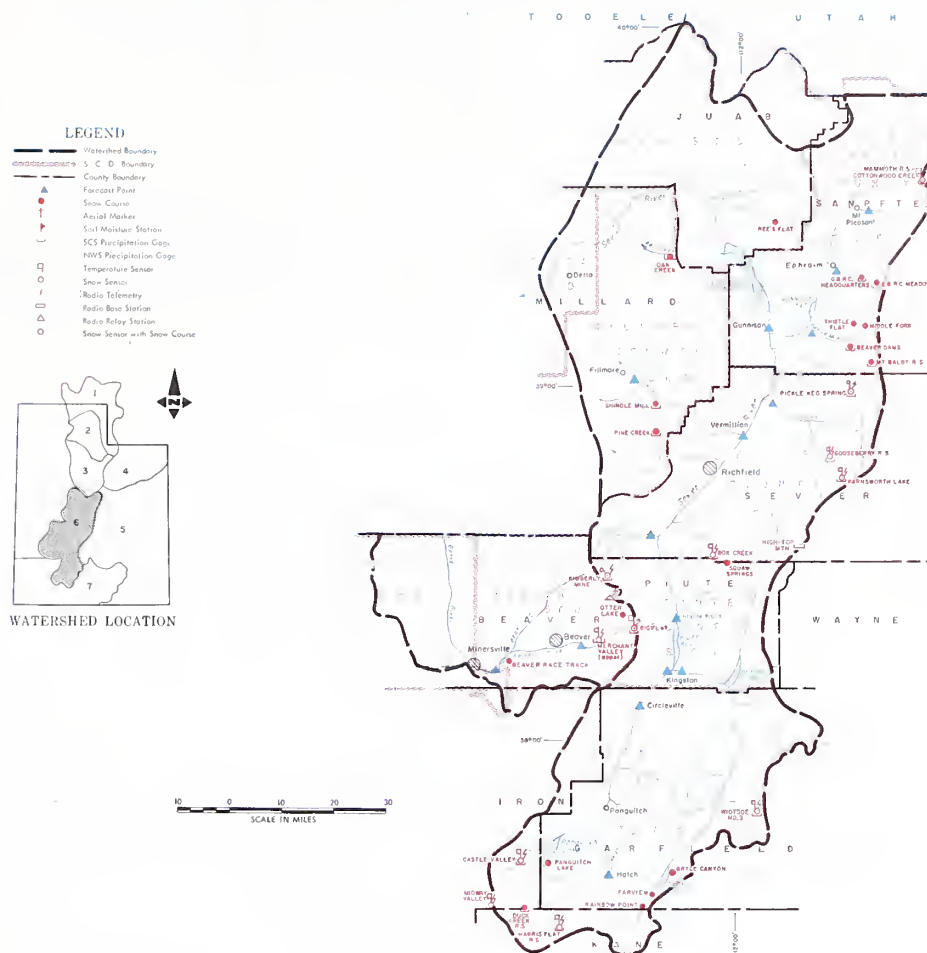
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER ranges from 100% of the June 1 average on South Fork Sevier to 230% at Box Creek on the East Fork Sevier. The Lower Sevier is 176% and Beaver River 183%.

PRECIPITATION at mountain stations ranged from 62% at Panguitch Lake to 110% at Merchant's Valley Upper.

SOIL MOISTURE is near average at lower elevations and above average at higher elevations.

RESERVOIR STORAGE on the Sevier River is at or near capacity in all reservoirs except Sevier Bridge which is 83% of capacity and may not fill this year. Minersville Reservoir is about 70% full.

STREAMFLOW FORECASTS are unchanged on the Sevier River ranging from 105% of the May-July average on the East Fork Sevier near Kingston to 161% on the Sevier near Circleville. Beaver River forecasts dropped slightly from last month due to less than normal May precipitation.

Near to above average water supplies are expected for all users this season.

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
SEVIER RIVER					
Sevier at Hatch	43	122	May-July		35
Sevier nr Circleville	37	161	May-July		23
Sevier nr Kingston	23	135	May-July		16.9
Antimony Crk nr Antimony	7.7	135	May-July		5.7 ^b
East Fork Sevier nr Kingston ¹	10.9	105	May-July		10.5
Sevier below Piute Dam	30	112	May-July		27
Clear Crk nr Sevier (abv Div)	21	136	May-July		15.3
Sigurd to Gunnison	47	137	May-July		21.7
Kingston to Vermillion Dam	75	133	May-June		56
Vermillion Dam to Gunnison	47	137	Mar-June		35
Salina Creek at Salina	16.3	157	May-June		10.4
Sevier nr Gunnison	50	132	May-July		38
Chalk Creek nr Fillmore	13.6	104	May-July		13.1
Chicken Creek nr Levan	4.4	182	May-July	0.9	2.4
Oak Cr. nr Oak City	1.2	119	May-July	0.6	1.0 ^b
Ephraim Creek nr Ephraim	18.0	137	May-July		13.2 ^b
Pleasant Crk nr Mt. Pleasant	10.2	129	May-July		7.9 ^b
Salt Creek nr. Nephi	16.4	164	May-July		10.0
Beaver nr Beaver	32	180	May-July	14.8	18.1
North Creek (Combined)	17.4	145	May-July		12.0 ^b
Minersville Inflow	15.8	293	May-June		5.4

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
SEVIER RIVER	Gunnison	18.2	18.2	16.2	18.2
	Otter Creek	52.5	52.7	38.6	52.5
	Piute	71.8	69.3	58.9	71.8
	Sevier Bridge	236.0	195.6	201.4	--
BEAVER RIVER	Minersville (Rky Fd)	23.3	16.3	21.7	23.3

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER SEVIER RIVER			
East Fork Sevier	1	--	230
South Fork Sevier	5	--	100
LOWER SEVIER	6	331	176
BEAVER RIVER	3	321	183
1 - Observed flow corrected for change in storage and diversions a - Maximum mean daily peak flow b - Average of past record - less than 15 years † - 1963-77 15 Year Average Period			

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range a	Average †
Sevier River at Hatch	500-700	418
Beaver River nr Beaver		
Sevier River nr Kingston		
Clear Creek nr Sevier		
Salina Creek nr Salina	300-560	211
Beaver River nr Beaver		

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Big Flat	5/25	51	21.8	9.5	11.7
Bryce Canyon	6/1	0	0.0	0.0	--
Castle Valley	5/25	0	0.0	0.0	0.0 ^b
Duck Creek	5/25	0	0.0	0.0	0.0 ^b
Farnsworth Lake	5/26	27	11.5	6.9	--
Gooseberry R.S.	5/26	0	0.0	0.0	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Harris Flat	5/25	0	0.0	0.0	--
Kimberly Mine	5/25	0	0.0	0.0	2.2 ^b
Long Valley Junction	5/25	0	0.0	0.0	--
Merchants Valley Upper	5/25	0	0.0	0.0	0.0 ^b
Midway Valley	5/25	21	10.0	0.0	7.8 ^b
Otter Lake	5/25	23	9.3	0.2	5.3 ^b
Pickle Keg Springs	5/26	1	0.4	0.0	--
Widtsoe-Escalante #3	5/25	0	0.0	0.0	--

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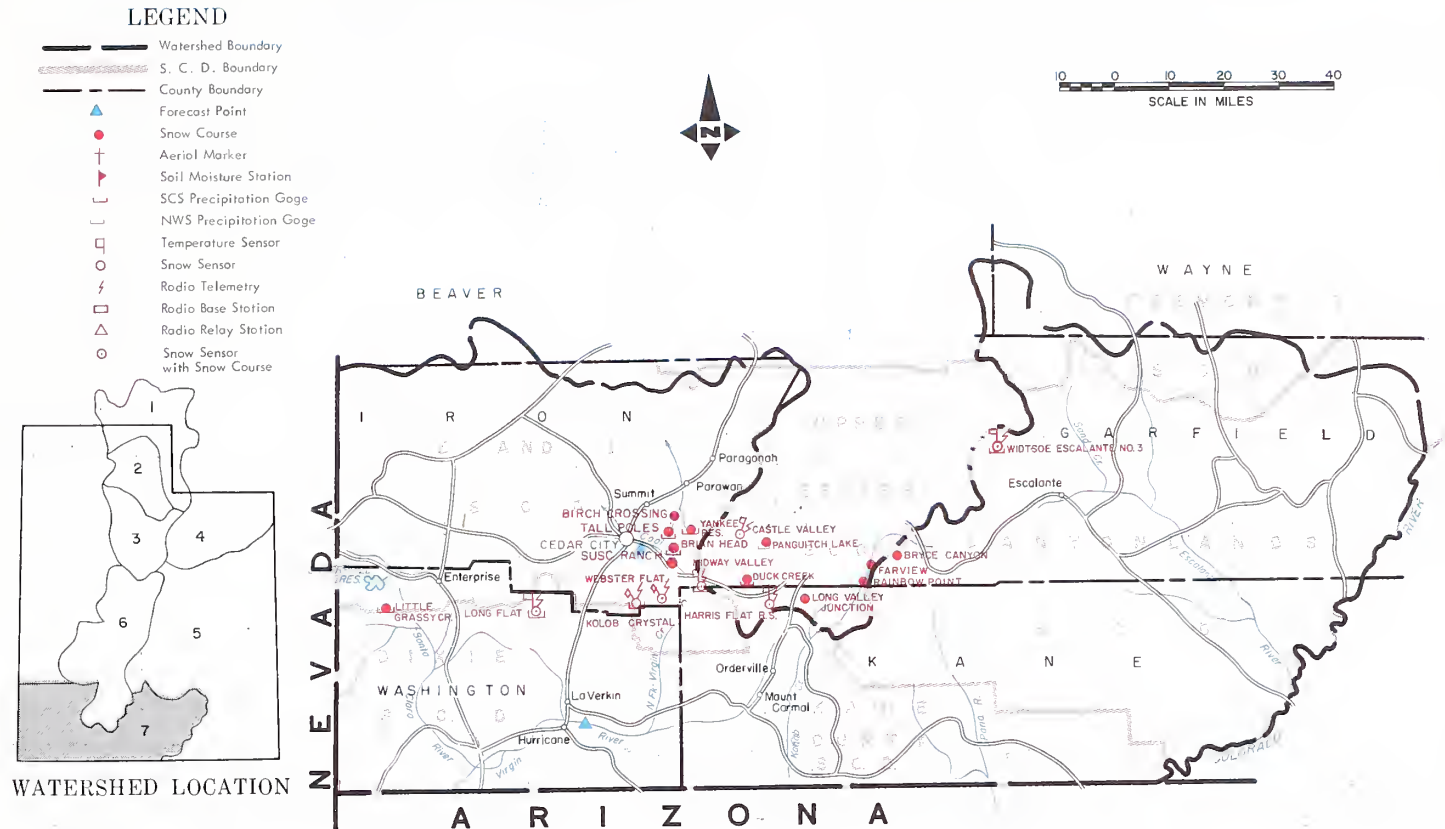
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JUNE 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from no snow on Enterprise-New Harmony, Coal Creek, and Virgin River courses to 102% of the June 1 average on Parowan Creek.

PRECIPITATION at mountain stations ranged from 41% of the May average at Long Flat above New Harmony to 194% at Tall Poles on Parowan Creek.

SOIL MOISTURE is generally below average.

RESERVOIR STORAGE is still near capacity at Gunlock and Baker after filling earlier. Upper Enterprise is reported as being only 1/2 full and Lower Enterprise still 3/4 full.

STREAMFLOW FORECASTS are unchanged from last month ranging from 48% of average for the Santa Clara to 125% for Lake Powell inflow.

Late season water shortages may occur in this area on streams without adequate reservoir storage.

Snowmelt peaks as reported by the U. S. Geological Survey in Cedar City were near normal for the Virgin River and slightly above normal on Coal Creek.

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
VIRGIN RIVER					
Virgin nr Hurricane	19	61	May-June		30
Santa Clara nr Pine Valley	1.3	48	May-June		2.7
COAL CREEK					
Coal Creek nr Cedar City	14.5	102	May-July		14.2
UPPER COLORADO					
Lake Powell Inflow	8700.0	125	May-July		6952

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	3		128
VIRGIN RIVER	4		56
PAROWAN CREEK	3	687	102
ENTERPRISE - NEW HARMONY	2	--	--
2 - Provisional Flows - Subject to correction			
a - Estimated			
b - Average of past record - less than 15 years			
+ - 1963-77 15 year Average Period			

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
COLORADO	Lake Powell	25002.0		21586.0	--
	Blue Mesa	829.5		379.3	450.0

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Coal Creek nr Cedar City		
Virgin nr Virgin		
(a) - Maximum mean daily peak flow		

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Birch Crossing	5/27	0	0.0	0.0	--
Brian Head	5/25	24	10.3	1.5	8.1 ^b
Harris Flat	5/25	0	0.0	0.0	--
Kolob-Crystal	5/25	0	0.0	0.0	--
Little Grassy	5/25	0	0.0	0.0	0.0 ^b
Long Flat	5/25	0	0.0	0.0	0.0 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Long Valley Junction	5/25	0	0.0	0.0	--
SUSC Ranch	5/27	0	0.0	0.0	--
Tall Poles	5/27	0	0.0	0.0	2.0 ^b
Webster Flat	5/25	0	0.0	0.0	2.0
Yankee Reservoir	5/25	0	0.0	0.0	0.0 ^b

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SNOW

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)						
	DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
GREAT BASIN												
UPPER BEAR RIVER (Above Harer, Idaho)												
Burts-Miller Ranch	5/25	0	0.0	0.0	0.0 ^b	5/25	0.99	2.32 ^b	16.00	13.99 ^b	114	
Hayden Fork	5/25	12	5.5	0.0	5.1 ^b	5/25	1.97	3.02 ^b	35.62	27.16	131	
Monte Cristo R.S.	5/26	44	23.4	1.8	10.1	5/26	2.78	2.83	43.74	34.00	129	
Salt River Summit	5/27	0	0.0	0.0	--	5/27	0.70 ^a	1.47	25.94 ^a	21.23	--	
Stillwater Camp	5/25	0	0.0	0.0	0.3 ^b	5/25	1.15	2.22	23.53	17.32	136	
Lily Lake	5/25	6	2.4	0.0	--	5/25	1.54	--	27.10	--	--	
LOWER BEAR RIVER (Below Harer, Idaho)												
Bug Lake	5/26	29	14.0	0.0	--	5/26	2.11 ^a	--	36.00 ^a	--	--	
Cub River R.S.	5/26	0	0.0	0.0	--							
Emigrant Summit				0.0	--							
Franklin Basin	5/26	47	24.0	0.0	12.9 ^a	5/26	3.00 ^a	--	54.39 ^a	--	--	
Garden City Summit	5/26	20	9.6	0.0	3.5	5/26	1.61	2.14 ^b	30.08	24.47	123	
Klondike Narrows	5/26	3	1.8	0.0	1.4 ^b	5/26	2.26	2.75 ^b	37.35	29.20 ^b	128	
Little Bear (lower)	5/26	0	0.0	0.0	0.0 ^b							
Little Bear (upper)	5/26	0	0.0	0.0	0.0 ^b	5/26	2.00 ^a	--	39.21 ^a	--	--	
Slug Creek Divide				0.0	--							
Steep Hollow #1	5/26	83	43.6	14.2	25.6							
Steep Hollow #2	5/26	34	17.8	0.0	8.0 ^b							
Tony Grove Lake	5/26	67	35.3	1.1	23.6 ^b	5/26	2.50 ^a	--	69.65 ^a	--	--	
Tony Grove R.S.	5/26	0	0.0	0.0	0.0 ^b	5/26	1.42	1.56 ^b	33.26	29.97 ^b	111	
Willow Flat	5/26	0	0.0	0.0	--	5/26	2.55	2.85 ^b	41.74	30.36	137	
OGDEN RIVER												
Beaver Creek-Skunk Creek	5/26	0	0.0	0.0	0.0 ^b							
Ben Lomond Peak	5/26	44	25.2	0.0	14.0 ^a							
Ben Lomond Trail	5/26	0	0.0	0.0	0.0 ^b	5/26	1.98	3.05 ^b	41.93	37.17 ^b	113	
Causey Dam	5/26	0	0.0	0.0	0.0 ^b	5/26	1.24	1.86 ^b	25.65	18.50	139	
Dry Bread Pond	5/26	15	7.7	0.0	2.6 ^b	5/26	2.30	2.62 ^b	32.80 ^a	27.90	118	
Sagebrush Flat	5/26	0	0.0	0.0	0.0 ^b	5/26	molested	1.75 ^b	--	18.58	--	
WEBER RIVER												
East Shingle Lake (A)	6/2	51	25.5	17.6								
Beaver Creek R. S.	5/25	0	0.0	0.0	0.0 ^b							
Chalk Creek #1	5/25	47	23.0	10.6	15.3 ^b	5/25	2.19 ^a	--	43.81 ^a	--	--	
Chalk Creek #2	5/25	0	0.0	0.0	1.7 ^b	5/25	2.62 ^a	2.25	28.92 ^a	19.64	--	
Chalk Creek #3	5/25	0	0.0	0.0	0.0 ^b	5/25	1.55	2.17 ^b	25.34	17.76 ^b	143	
Farmington Canyon (lower)	5/26	5	2.6	0.0	0.0 ^b	5/26	2.55	4.32 ^b	46.32	38.24	121	
Farmington Canyon (upper)	5/26	31	17.0	0.0	12.4 ^b	5/26	3.00 ^a	6.24 ^a	56.22 ^a	46.13 ^a	122	
Farmington G.S.	5/26	0	0.0	0.0	--	5/26	2.15	5.20 ^b	--	38.44	--	
Horse Ridge	5/26	19	10.5	0.0	2.4 ^b	5/26	1.56	2.62 ^b	41.56 ^a	31.00	134	
Kilfoil Creek	5/26	0	0.0	0.0	--							
Lost Creek Reservoir	5/26	0	0.0	0.0	0.0 ^b							
Park City Summit												
Parley's Canyon Summit	5/27	0	0.0	0.0	0.9 ^b	5/27	2.18	2.80	38.03	30.38	125	
Redden Mine (lower)	5/25	12	5.8	0.0	3.7 ^b	5/25	2.28	--	35.94	--	--	
Smith & Morehouse	5/25	0	0.0	0.0	0.5 ^b	5/25	1.68	2.46	26.65	24.47	109	
Sargeant Lake (A)	6/2	0	0.0	0.0	--							
Hardscrabble	5/26	0	0.0	--	--							
Pine Canyon	5/26	0	0.0	--	--							
PROVO RIVER & UTAH LAKE												
Beaver Creek Divide	5/25	0	0.0	0.0	--	5/25	2.38 ^a	--	34.49 ^a	--	--	
Camp Altamont				0.0	--							
Clear Creek Ridge #1	5/26	17	8.4	0.0	2.7 ^b							
Clear Creek Ridge #2	5/26	0	0.0	0.0	0.3 ^b	5/26	1.41	2.01	25.63	21.38	120	
Clear Creek Ridge #3	5/26	0	0.0	0.0	0.0 ^b							
Dutchman R.S.	5/27	0	0.0	0.0	0.4 ^b	5/27	1.60	2.64 ^b		27.63		
Hobble Creek Summit	5/27	0	0.0	0.0	0.0 ^b	5/27	1.59	2.15		22.54		
Payson R.S.	5/25	0	0.0	0.0	1.0 ^b	5/25	1.13	1.98	30.13	23.51	128	
Soapstone R.S.	5/25	0	0.0	0.0	0.3 ^b	5/25	1.95	2.05	29.18	21.84	134	
South Fork R.S.				0.0	--							
Timpanogos Cave Camp				0.0	--							
Timpanogos Divide	5/27	10	6.2	0.0	3.7 ^b	5/27	2.45	2.78	48.80	32.17	152	
Trial Lake	5/25	65	35.4	14.4	18.2	5/25	2.70 ^a	2.72	45.39	31.45	144	

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
JORDAN RIVER & GREAT SALT LAKE											
Bevan's Cabin				0.0	--						
Lamb's Canyon #2	5/25	0	0.0	0.0	--	5/25	1.87	--	36.29	--	--
Middle Canyon	6/2	0	0.0	0.0	--	6/2	2.40	2.86 ^b	34.75	23.06	151
Mill Creek	5/27	20	10.1	0.0	--						
Mill D South Fork	5/27	0	0.0	0.0	--						
Rock Basin-Settlement	5/28		14.5 ^a	5.1	--						
Silver Lake (Brighton)	5/27	30	21.0	0.0	11.9 ^b						
Snow Bird (Gad Valley)											
Vernon Creek	5/24	0	0.0	0.0	0.0	5/24	1.77	2.05 ^b	27.59	19.90	139
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)	6/2	24	12.0	3.0	--						
Black's Fork G.S.-East Fork	5/25	0	0.0	0.0	1.6 ^b	5/25	1.88	--	21.43	--	--
Black's Fork Junction	5/25	0	0.0	0.0	0.7 ^b	5/25	1.27	--	20.60	--	--
Buck Pasture (A)	6/2	21	11.5	6.7	--						
Burnt Creek	5/27	0	0.0	0.0	0.4 ^b	5/27	1.30	--	14.50	--	--
Grizzly Ridge	5/27	0	0.0	0.0	--	5/27	2.80	2.90 ^b	22.30	19.50	114
Hewinta G.S.	5/25	4	1.4	0.0	2.4 ^b	5/25	1.90	--	22.38	--	--
Hickerson Park	5/25	0	0.0	0.0	--	5/25	1.66	2.57 ^b	14.00	15.54	90
King's Cabin (upper)	5/25	0	0.0	0.0	1.5 ^b	5/25	2.11	3.01	20.17	17.59	115
Reynolds Park (A)	6/2	12	6.0	0.0	--						
Spirit Lake	5/25	24	10.6	0.0	7.1 ^b	5/25	3.15	3.68 ^b	25.79	22.38 ^b	115
Steel Creek Park	5/25	48	19.5	14.6	12.0 ^b	5/25	2.41	--	26.73	--	--
Trout Creek	5/25	0	0.0	0.0	--	5/25	1.92	--	17.67	--	--
Henrys Fork (A)	6/2	3	1.5	0.0	3.6 ^b						
DUCHESNE RIVER											
Atwood Lake (A)	6/2	21	11.5	4.4	0.0 ^b						
Brown Duck Ridge	5/25	58	22.5	12.4	11.5 ^b	5/25	2.90	--	33.46	--	--
Chepeta	5/25	28	11.6	0.0	--	5/25	4.81 ^a	--	28.01 ^a	--	--
Currant Creek	5/27	0	0.0	0.0	0.0 ^b	5/27	0.97	1.58 ^b	28.64	17.78	161
Daniels-Strawberry Summit	5/27	0	0.0	0.0	0.2 ^b	5/27	1.38	1.90 ^b	32.17	22.99	140
East Portal	6/1	0	0.0	0.0	0.0 ^b	6/1	1.32	--	30.54	--	--
Five Points Lake (A)	6/2	27	13.5	13.4	--	5/28	2.40 ^a	--	30.00 ^a	--	--
Indian Canyon	5/27	0	0.0	0.0	--	5/27	1.56	1.71 ^b	22.92	17.37 ^b	132
Jackson Park	5/25	26	10.4	4.6	--						
Lakefork Basin (A)	6/2	51	25.5	12.1	--						
Lakefork Mountain #1	5/25	16	6.3	0.0	3.6 ^b	5/25	2.23	2.60	24.11	18.30	132
Lakefork Mountain #3	5/25	0	0.0	0.0	0.0 ^b						
Lightning Lake (A)	6/2	69	34.5	19.3	--	5/28	3.50 ^a	--	46.50 ^a	--	--
Mosby Mountain	5/25	15	5.2	0.0	2.8 ^b	5/25	1.73	2.62 ^b	27.05	17.80	152
Paradise Park	5/25	29	12.4	0.0	6.7 ^b	5/25	3.10	2.50	27.29	20.56	132
Rock Creek Ranch	5/25	0	0.0	0.0	1.3 ^b	5/25	1.67	1.83	--	15.35	--
Strawberry Divide	6/1	0	0.0	0.0	0.0 ^b						
PRICE RIVER											
Dry Valley Divide Alternate	5/27	0	0.0	0.0	--						
Mud Creek	5/26	0	0.0	0.0	0.0 ^b	5/26	1.09	1.95	23.15 ^a	19.16	121
White River #1	5/27	0	0.0	0.0	0.4 ^b	5/27	1.04	1.71 ^b	24.99	17.77	141
White River #3	5/27	0	0.0	0.0	--						
SAN RAFAEL RIVER											
Buck Flat	5/26	20	9.4	0.0	3.1 ^b	5/26	1.79	2.52	31.39 ^a	22.97	137
Huntington-Horseshoe	5/26	39	19.0	4.3	--						
Orange Olsen	5/26	0	0.0	0.0	--	5/26	0.64	0.97 ^b	14.04	9.50	148
Red Pine Ridge	5/26	7	3.8	0.0	1.6 ^b	5/26	1.63	2.22	32.82	25.61	128
Seeley Creek R.S.	5/26	24	10.9	0.0	8.1 ^b						
Stuart R.S.	5/26	0	0.0	0.0	0.0 ^b	5/26	1.07	1.65	18.18	15.42	118
Upper Joe's Valley	5/26	0	0.0	0.0	--						
Wrigley Creek	5/26	0	0.0	0.0	--						
MUDDY RIVER											
Black's Fork	5/26	0	0.0	0.0	--						
Dill's Camp	5/26	0	0.0	0.0	--	5/26	1.68	--	28.36	--	--

SNOW

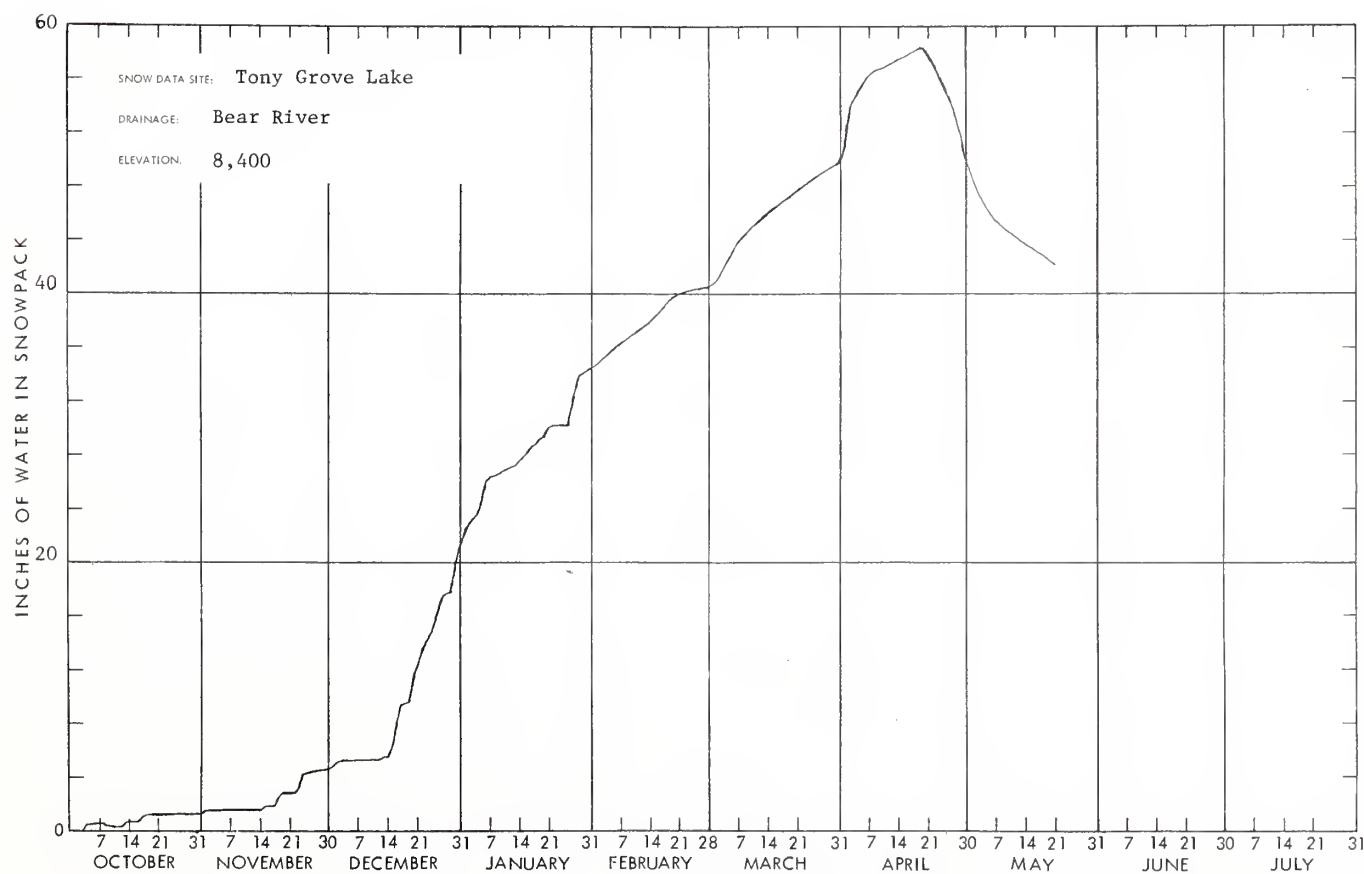
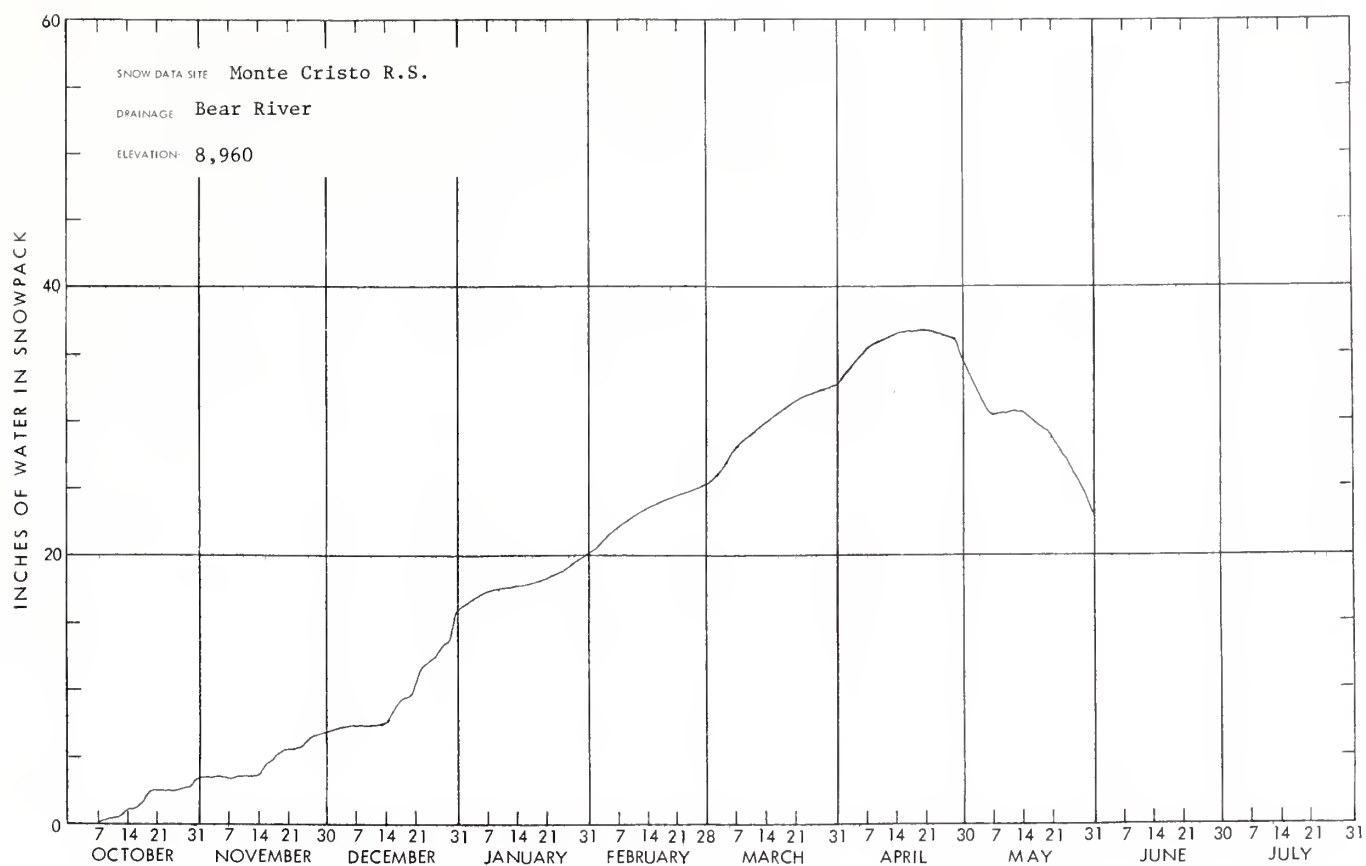
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
FREMONT RIVER											
Black's Flat-U.M. Creek	5/26	0	0.0	0.0	0.4	5/26	1.29	1.81	19.58 ^a	16.28	120
Fish Lake	5/26	0	0.0	0.0	0.0 ^b	5/26	1.60	1.39	15.48	12.39	125
Johnson Valley	5/26	0	0.0	0.0	0.0 ^b						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	5/26	0	0.0	0.0	--	5/26	2.60	1.94	22.15	22.83	97
Camp Jackson	5/26	0	0.0	0.0	0.0 ^b	5/26	1.47	1.56	19.65	20.76	95
LaSal Mountain (lower)	5/27	0	0.0	0.0	--						
LaSal Mountain (upper)	5/27	0	0.0	0.0	--	5/27	1.90	2.21	23.23	19.38	120
Monticello City Park	5/27	0	0.0	0.0	--						
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	5/26	6	2.3	0.0	1.0 ^b	5/26	1.70	1.88	23.00	18.29	126
Bryce Canyon	6/1	0	0.0	0.0	--						
Castle Valley	5/25	0	0.0	0.0	0.0 ^b	5/25	1.22	1.62	23.06	18.75	123
Duck Creek R.S	5/25	0	0.0	0.0	0.0 ^b	5/25	1.95	1.91	29.86	21.55	139
Farview	6/1	0	0.0								
Harris Flat	5/25	0	0.0	0.0	--	5/25	1.13 ^a	--	17.93 ^a	--	--
Kimberly Mine	5/25	0	0.0	0.0	2.2 ^b	5/25	1.76	2.15 ^b	29.44	24.76	119
Midway Valley	5/25	21	10.0	0.0	7.8 ^b	5/25	2.50	--	33.30 ^a	--	--
Panguitch Lake	5/25	0	0.0	0.0	0.0 ^b	5/25	0.64	1.04	14.01	10.43	134
Rainbow Point	6/1	0	0.0								
Squaw Springs	5/26	0	0.0	0.0	--						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	5/26	0	0.0	0.0	0.0 ^b	5/26	1.95	2.10 ^b	23.91	18.44	130
Farnsworth Lake	5/26	27	11.5	6.9	--	5/26	1.64	--	30.43	--	--
G.B.R.C. Headquarters	5/26	6	3.0	0.0	3.2 ^b	5/26	2.39	2.38	28.76	24.93	115
G.B.R.C. Majors						6/2	1.40	1.51 ^b	16.84	12.17	138
G.B.R.C. Meadows	5/26	50	24.7	5.7	13.3 ^b	5/26	2.69	2.60	39.16 ^a	29.80	131
G.B.R.C. Oaks						6/2	1.75	1.78	20.05	16.66	120
Gooseberry R.S.	5/26	0	0.0	0.0	--	5/26	1.26	1.83 ^b	21.28	17.85 ^b	119
Mammoth-Cottonwood Creek	5/26	20	10.4	0.0	4.4 ^b	5/26	1.75 ^a	--	37.71 ^a	--	--
Mt. Baldy R.S.	5/26	48	22.8	5.8	12.5 ^b						
Oak Creek	5/25	0	0.0	0.0	--	5/25	1.88	1.83 ^b	27.19	21.62	126
Pickle Keg Springs	5/26	1	0.4	0.0	--						
Pine Creek	5/25	0	0.0	0.0	1.3 ^b	5/25	2.89	3.00	36.00	30.70	119
Ree's Flat	5/25	0	0.0	0.0	--	5/25	1.50	--	26.01	--	--
Shingle Mill	5/26	0	0.0	0.0	--	5/26	2.11	2.14 ^b	25.80	21.69	119
Gooseberry Reservoir						5/26	1.93	2.33	34.34	24.04	143
BEAVER RIVER											
Beaver Canyon Power House											
Beaver Race Track	5/25	0	0.0	--	--						
Big Flat	5/25	51	21.8	9.5	11.7	5/25	2.41	2.71	30.74 ^a	21.71	142
Merchant's Valley (upper)	5/25	0	0.0	0.0	0.0 ^b	5/25	2.06	1.88	24.07	19.09	126
Otter Lake	5/25	23	9.3	0.2	5.3 ^b						
PAROWAN CREEK											
Birch Crossing	5/27	0	0.0	0.0	--						
Brian Head	5/25	24	10.3	1.5	8.1 ^b						
Tall Poles	5/27	0	0.0	0.0	2.0 ^b	5/27	2.75	1.42 ^b	24.75	19.79 ^b	125
Yankee Reservoir	5/25	0	0.0	0.0	0.0 ^b	5/25	0.85	1.43	20.42	16.57	123
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	5/25	0	0.0	0.0	0.0 ^b	5/25	1.05	0.88 ^b	16.98	15.61 ^b	109
Long Flat	5/25	0	0.0	0.0	0.0 ^b	5/25	0.51	1.23 ^b	15.85	14.24 ^b	111
COAL CREEK											
Cedar City Golf Course	5/27	0	0.0	0.0	--						
SUSC Ranch	5/27	0	0.0	0.0	--						

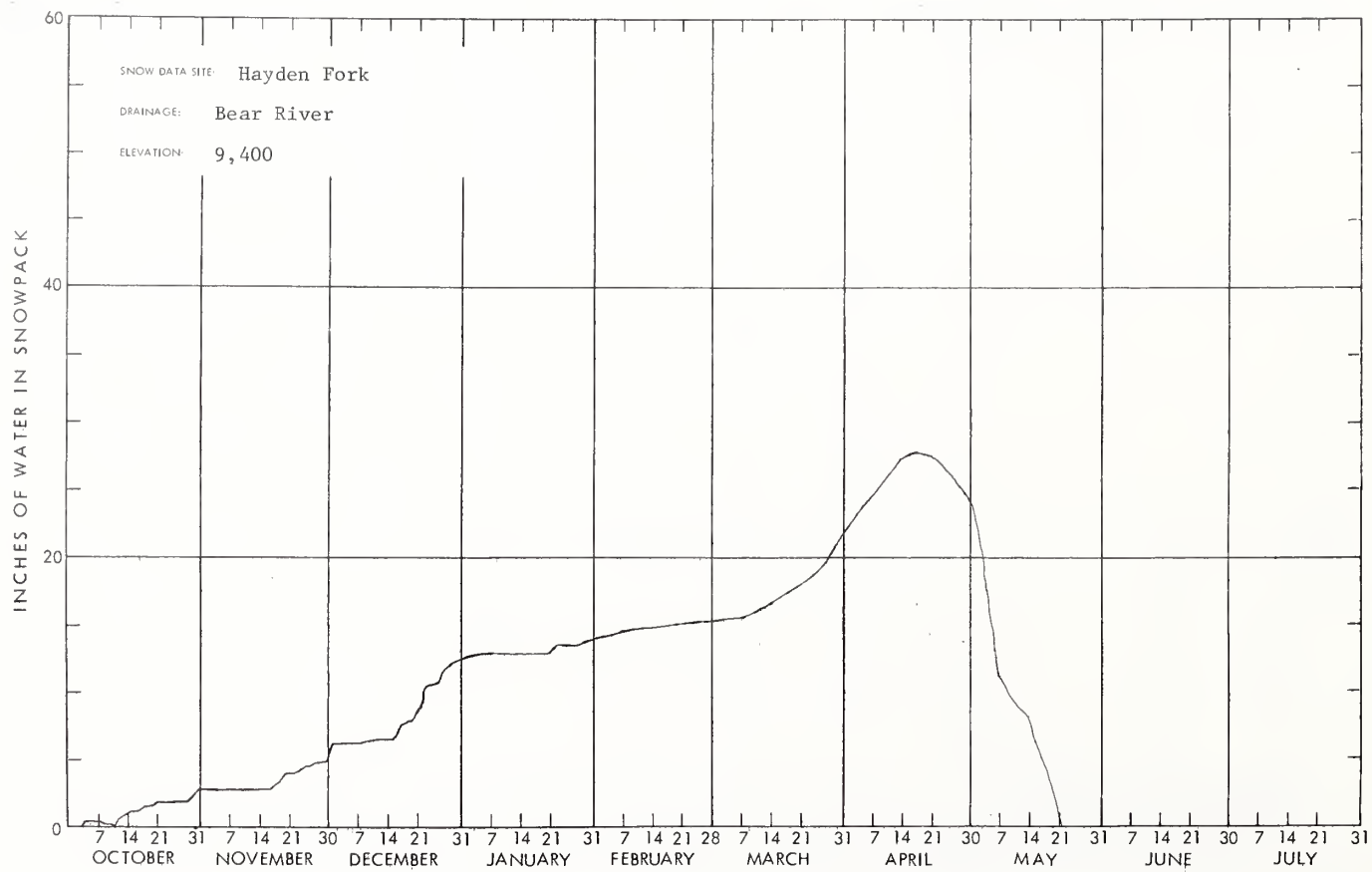
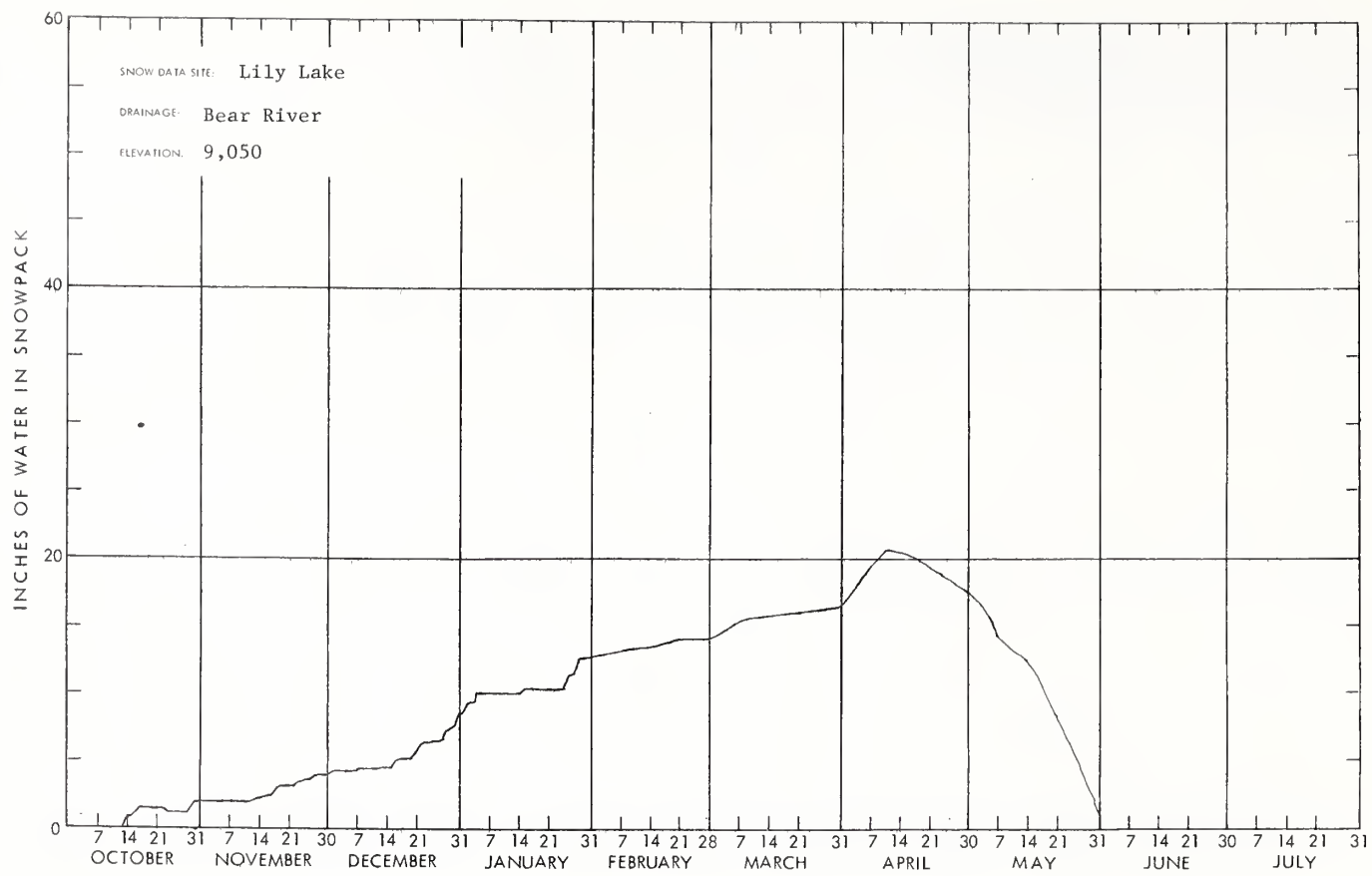
SNOW

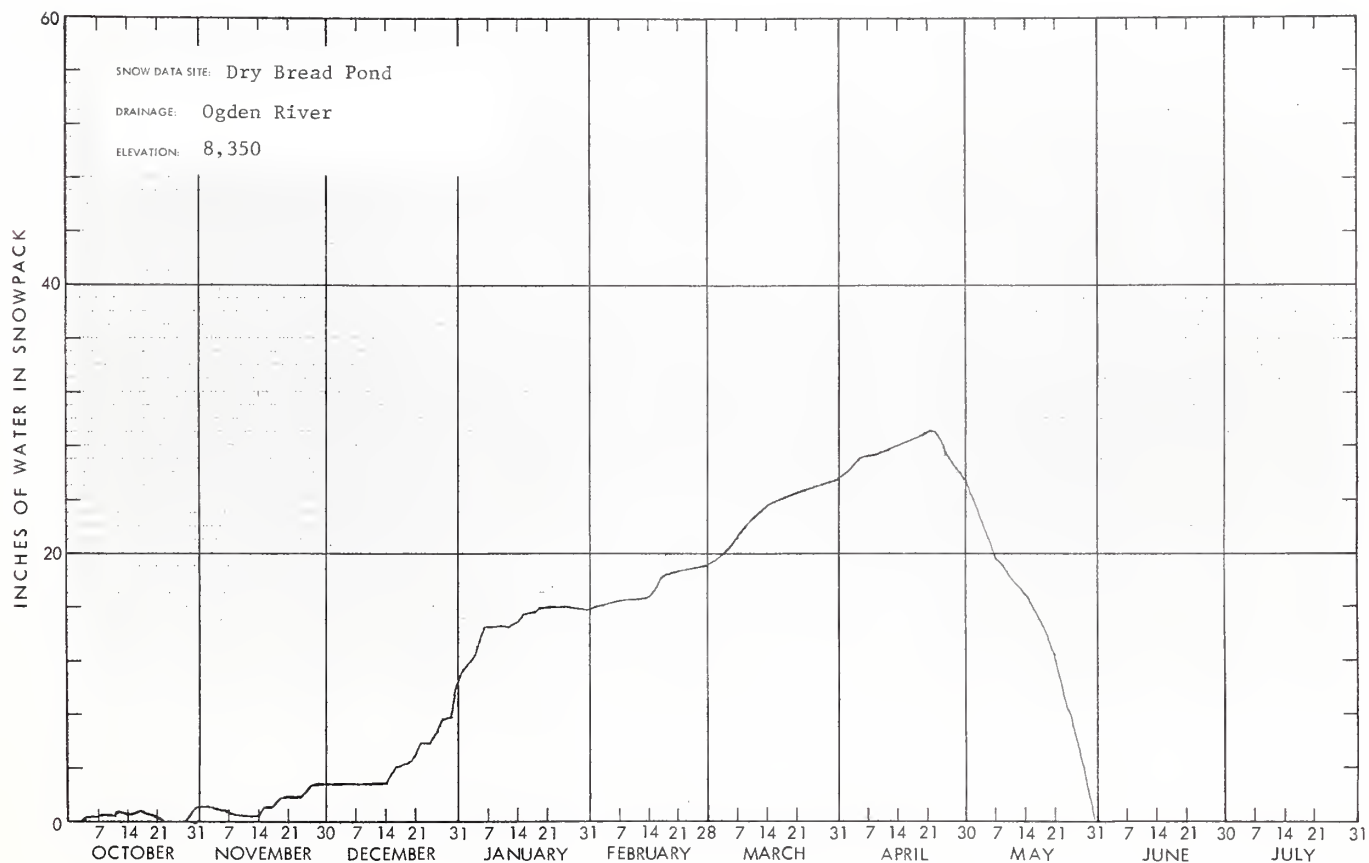
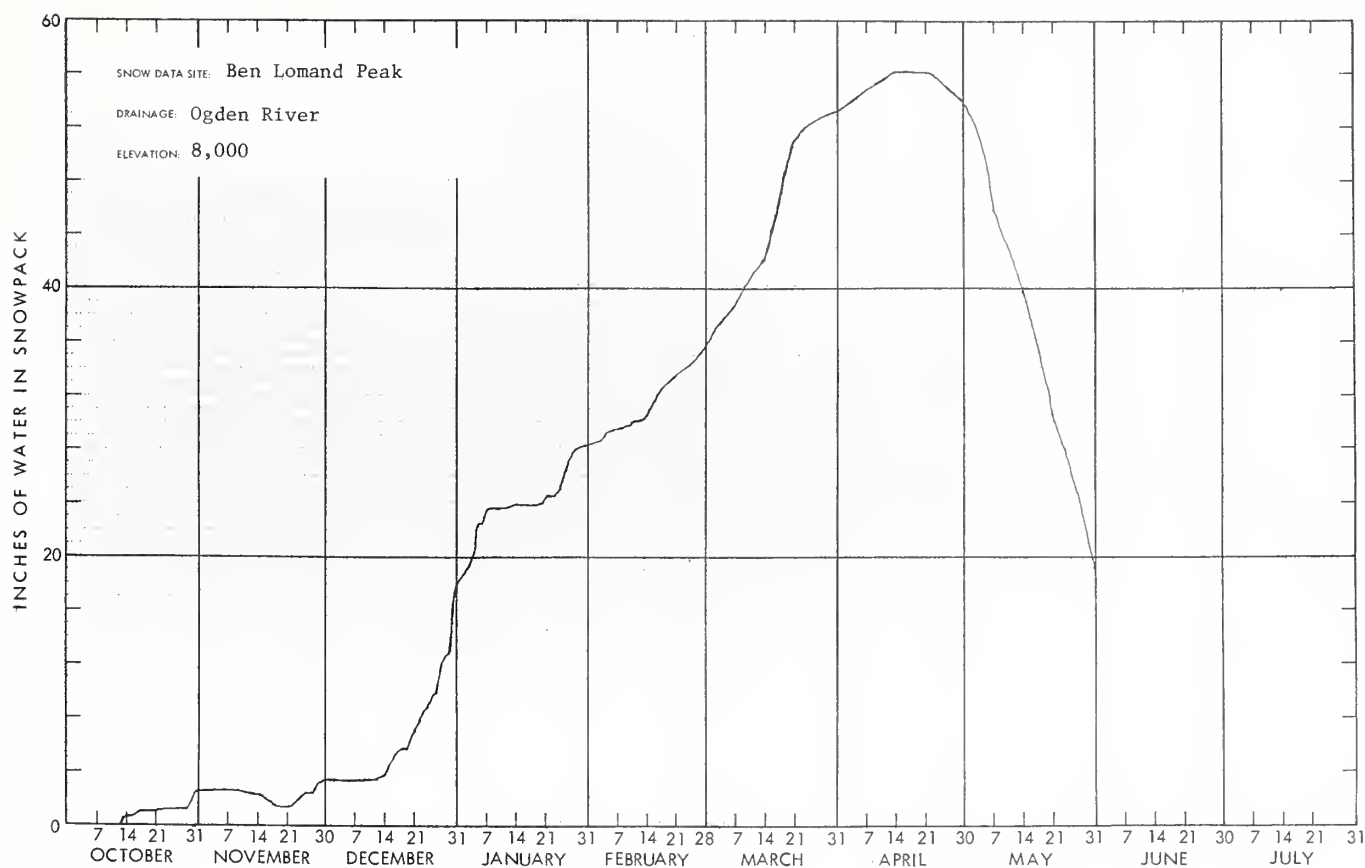
PRECIPITATION (Inches)

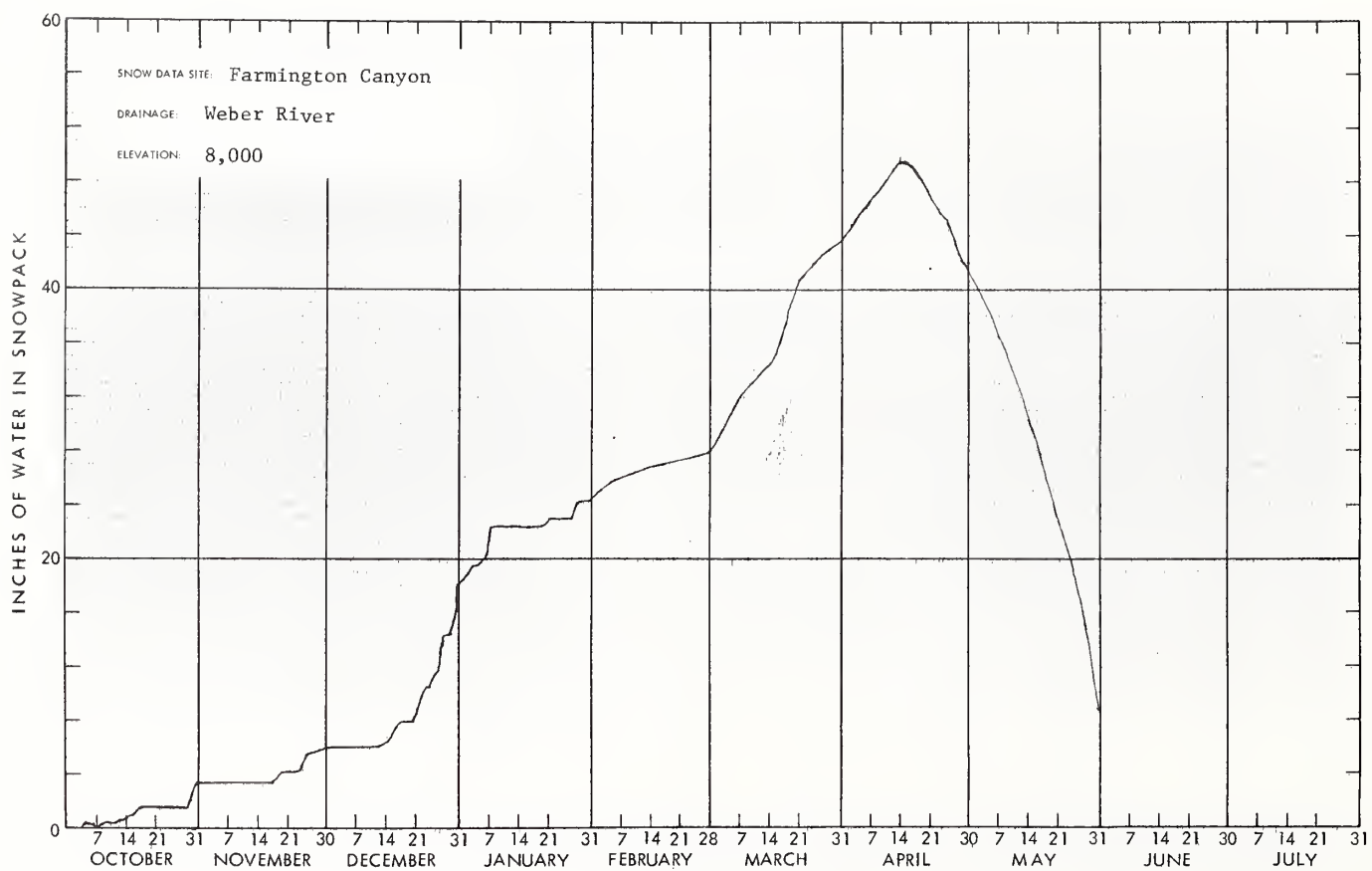
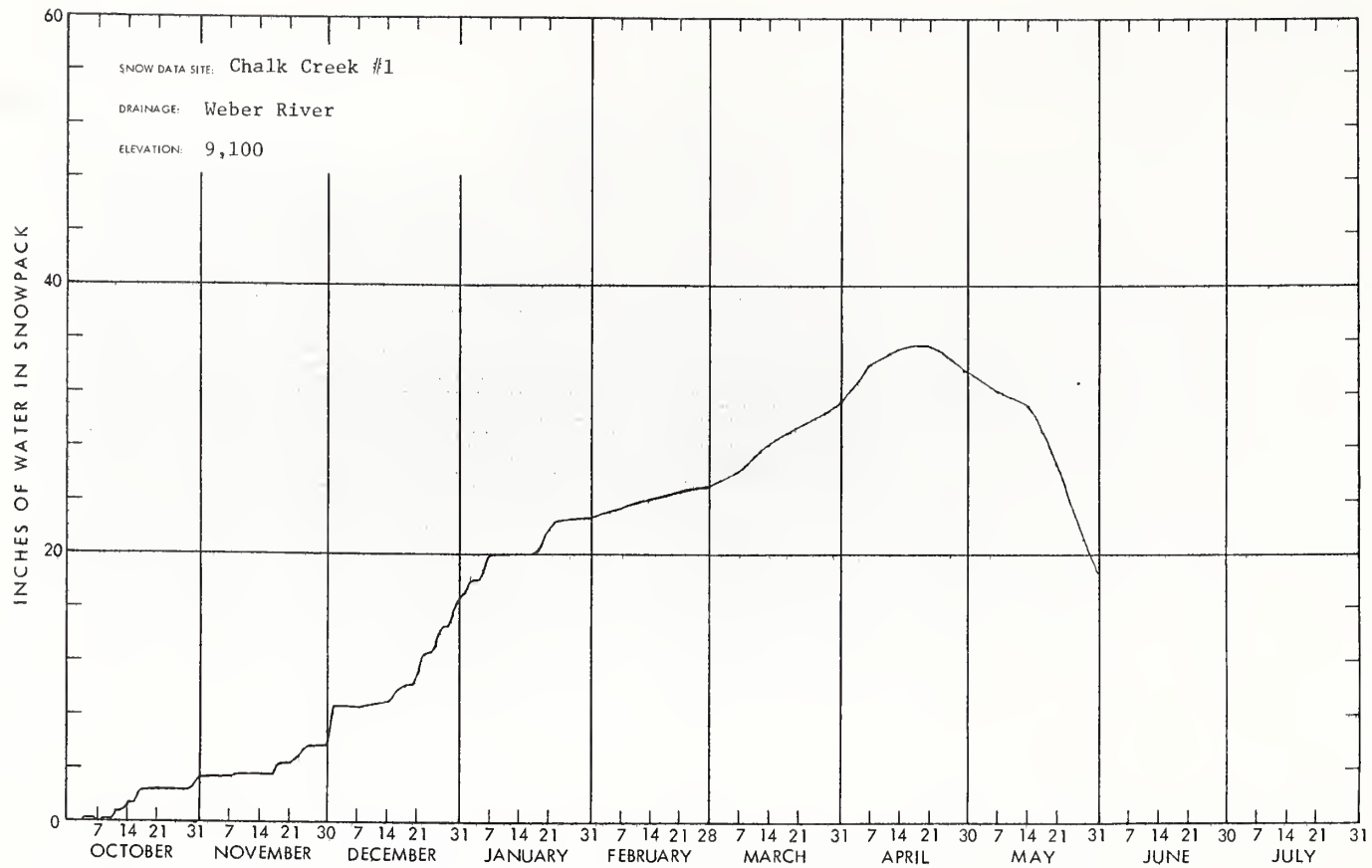
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		CURRENT INFORMATION			FROM APPROX OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
				Last Year	Average †						
ESCALANTE RIVER											
Widtsoe-Escalante #3	5/25	0	0.0	0.0	--	5/25	1.50	1.81	20.35	17.02	120
VIRGIN RIVER											
Kolob-Crystal	5/25	0	0.0	0.0	8.2 ^b	5/25	1.88 ^a	--	31.38 ^a	--	--
Long Valley Junction	5/25	0	0.0	0.0	--						
Webster Flat	5/25	0	0.0	0.0	2.0	5/25	1.16	1.90 ^b	30.56	24.98 ^b	122

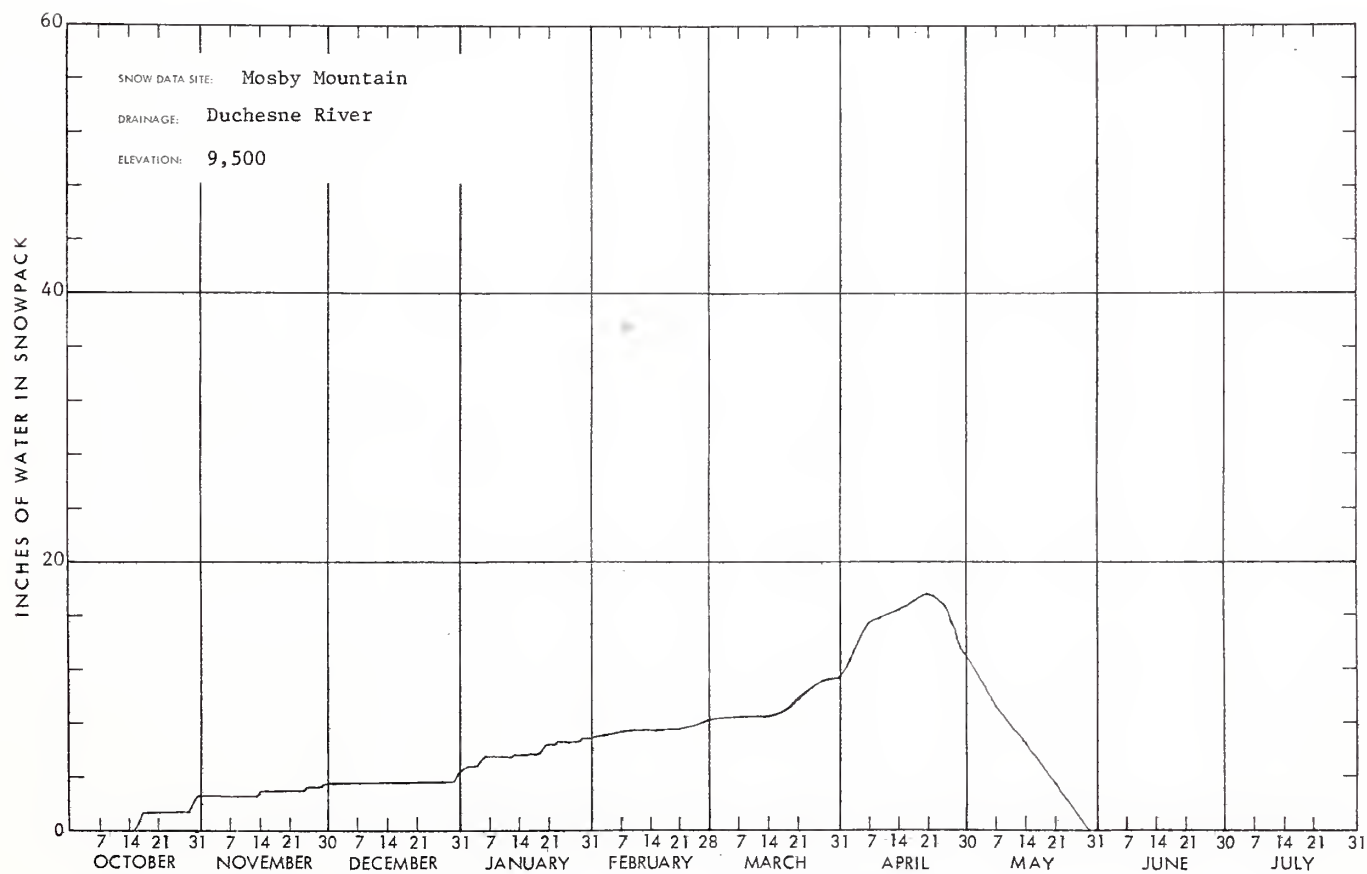
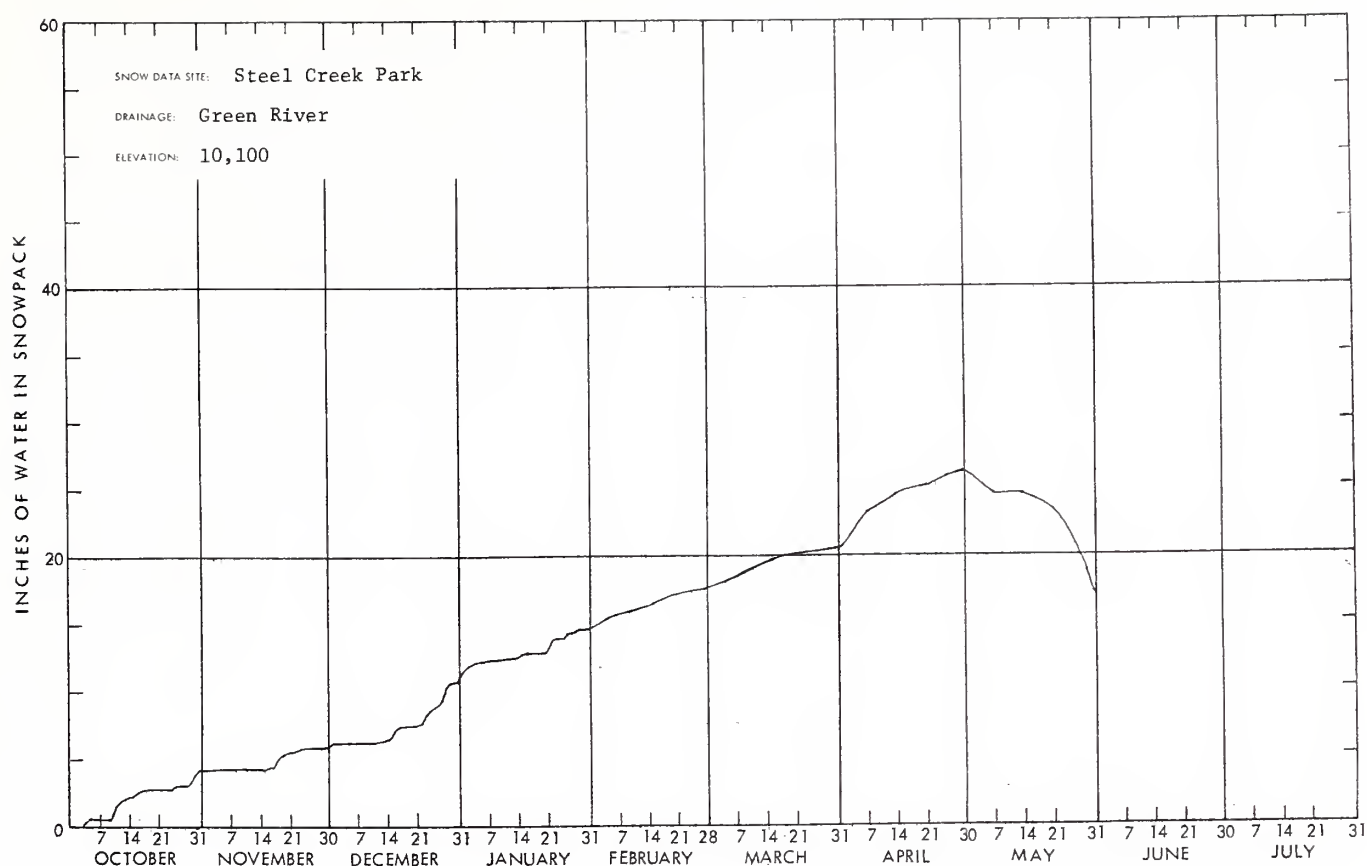
a - Partly Estimated
 b - Average of past record in average period - less than 15 years
 + - 1963-77 15 year average period
 (A) - Aerial Marker Reading

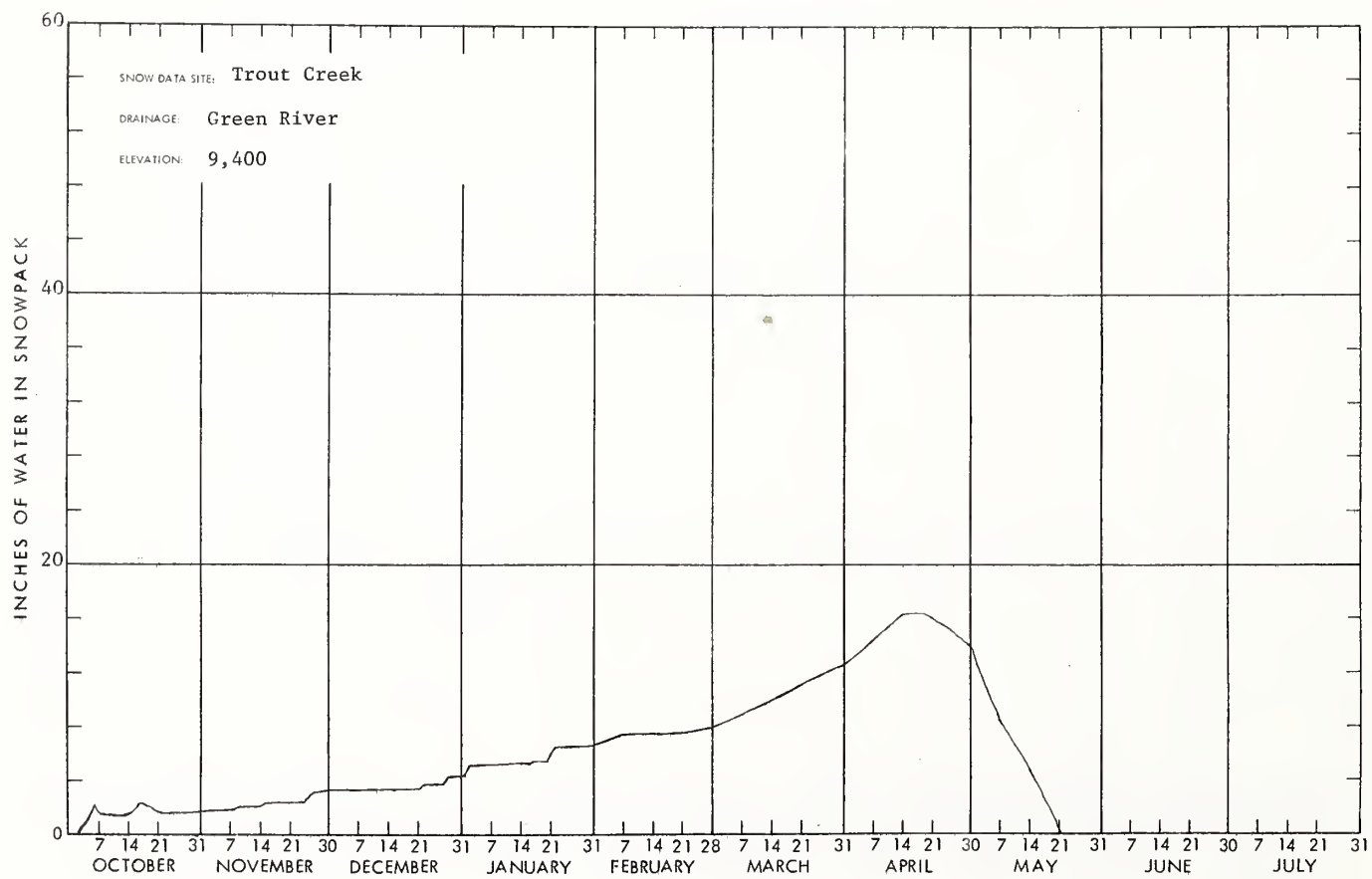
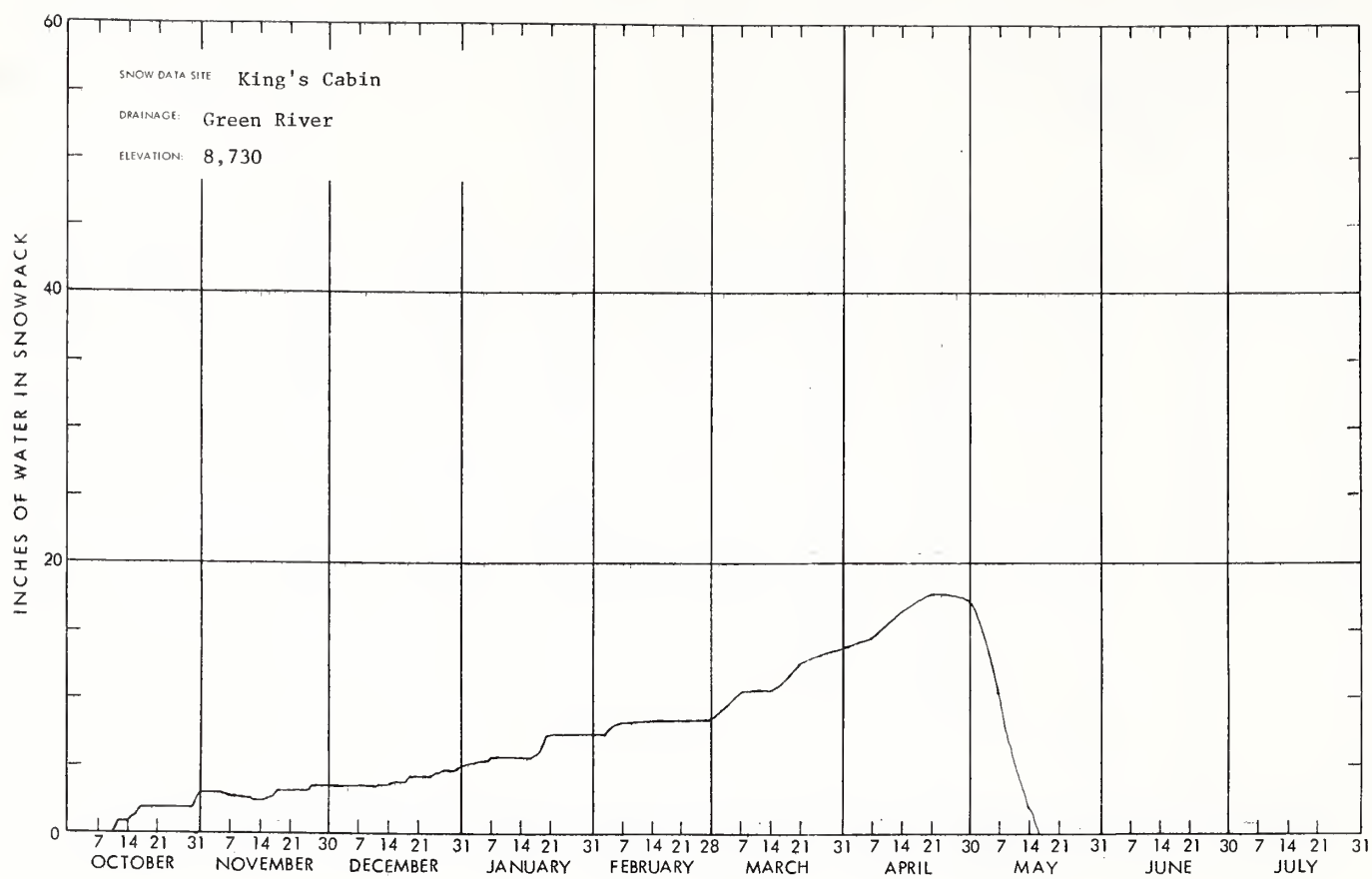


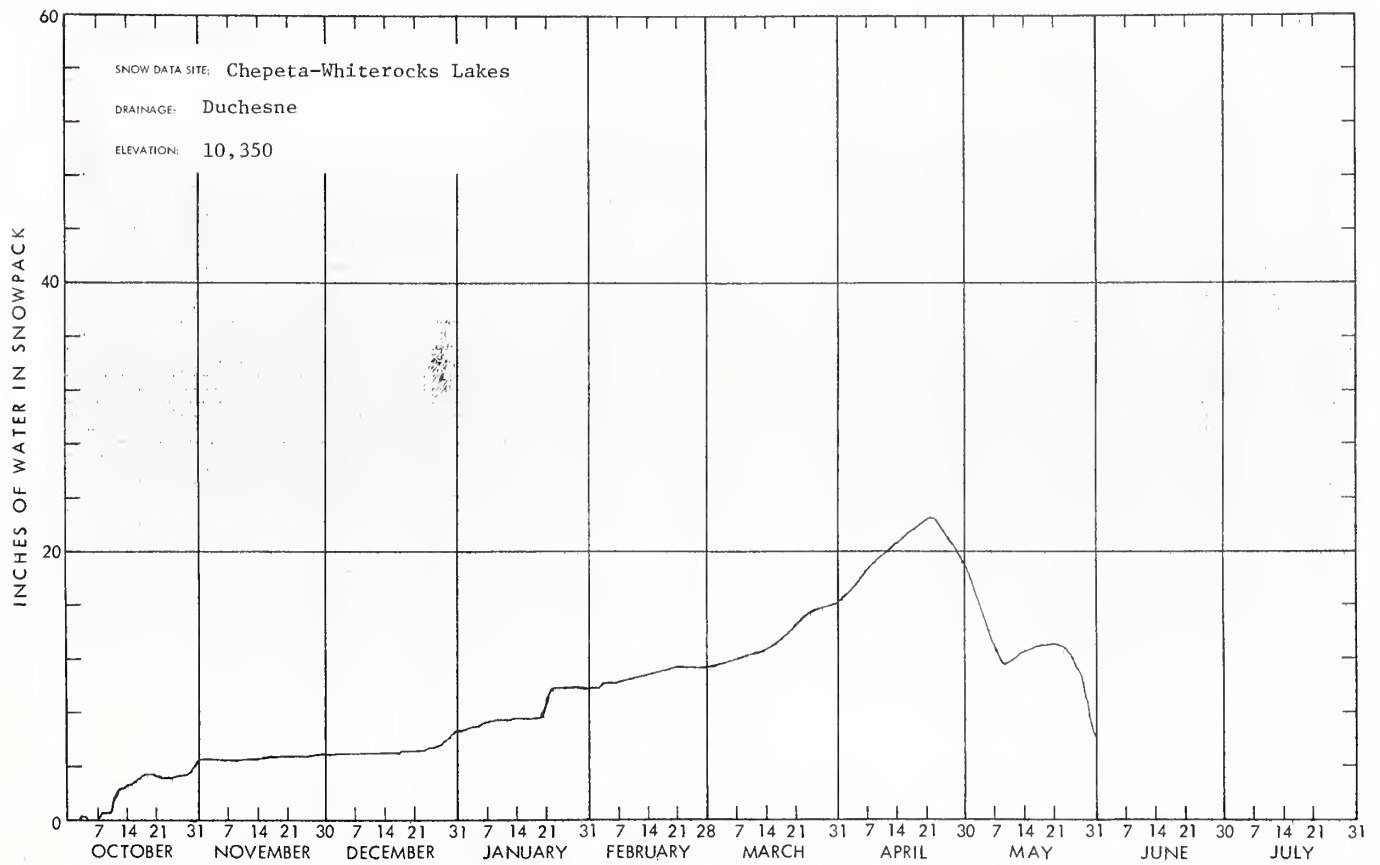
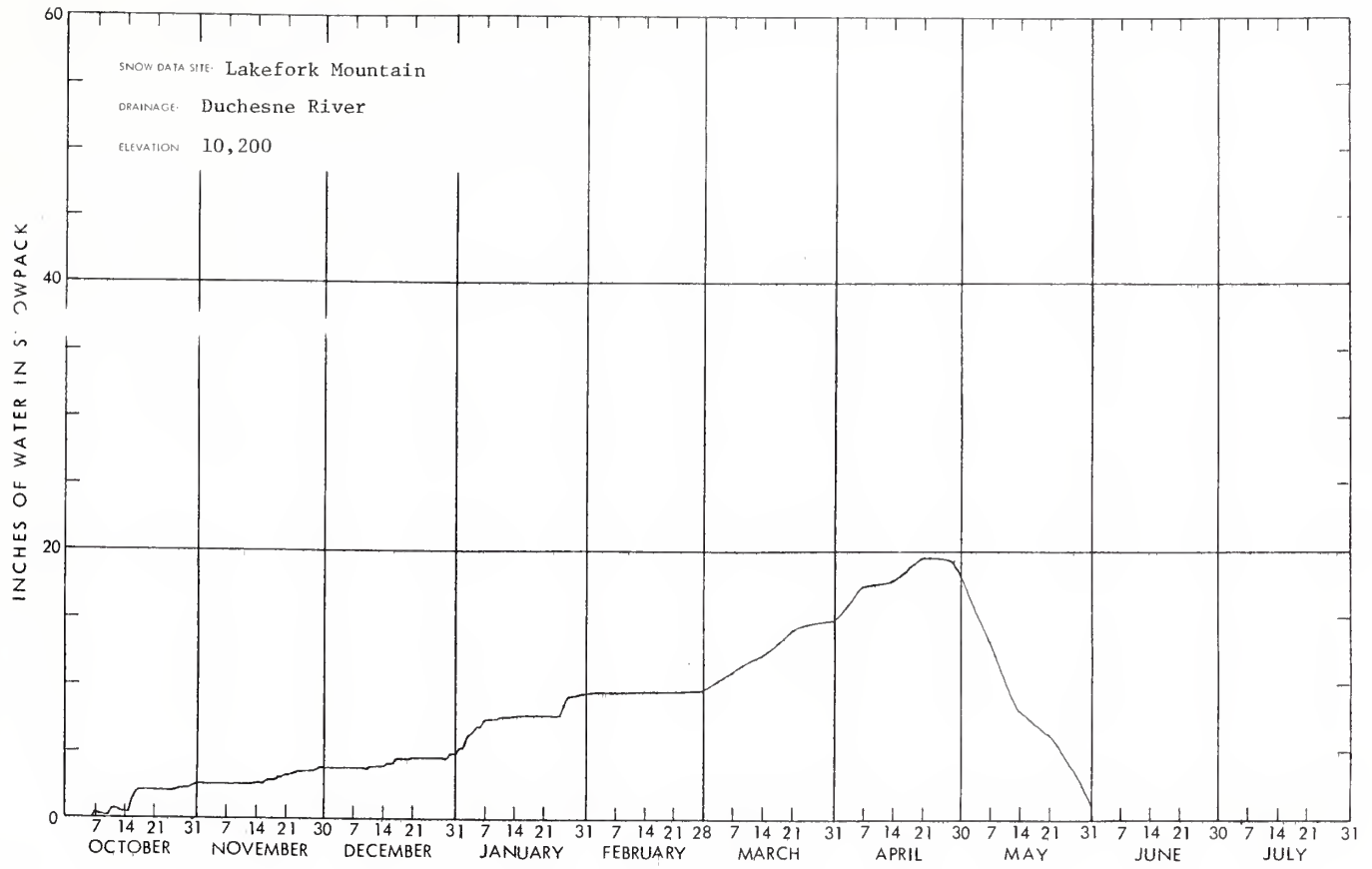


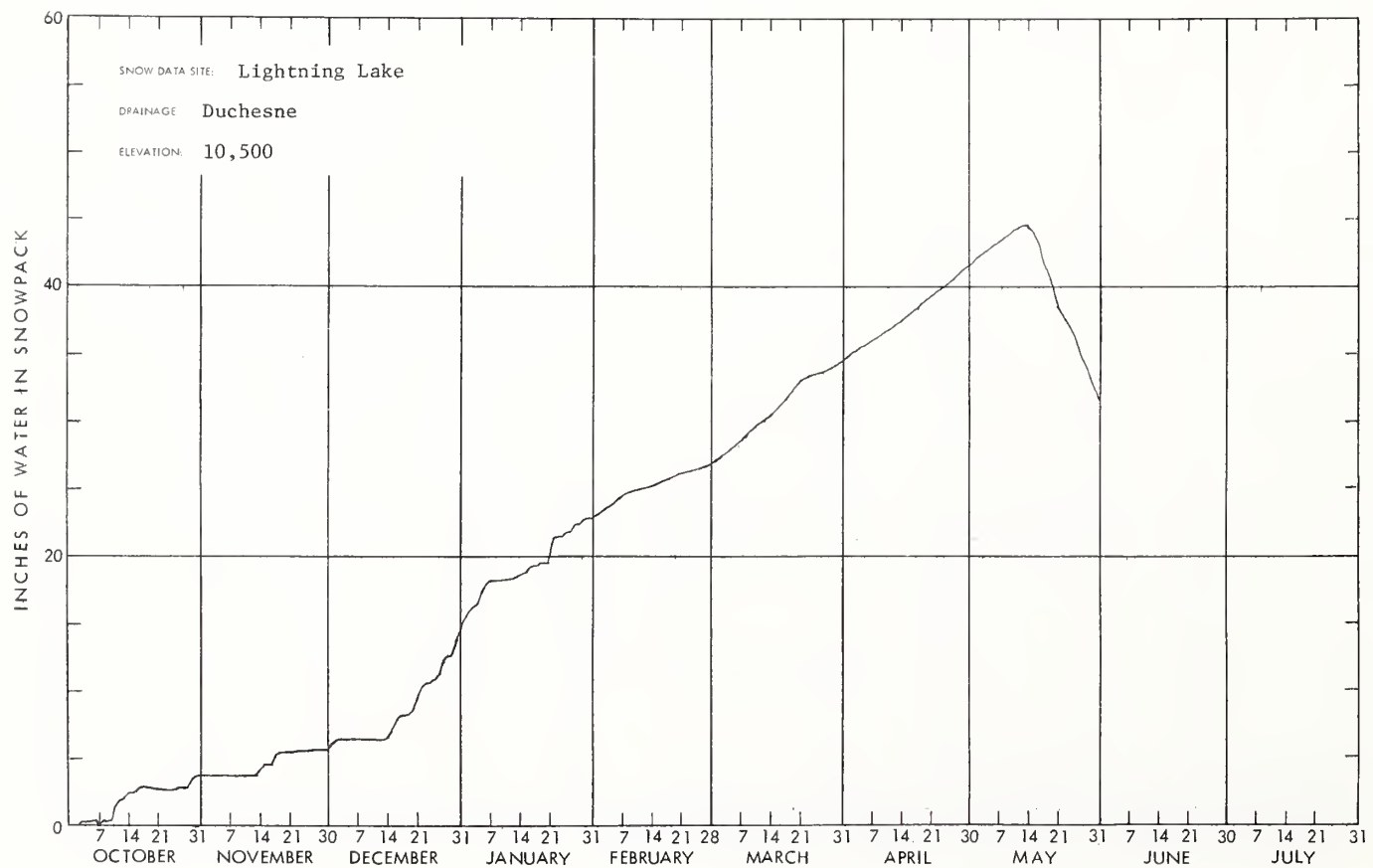
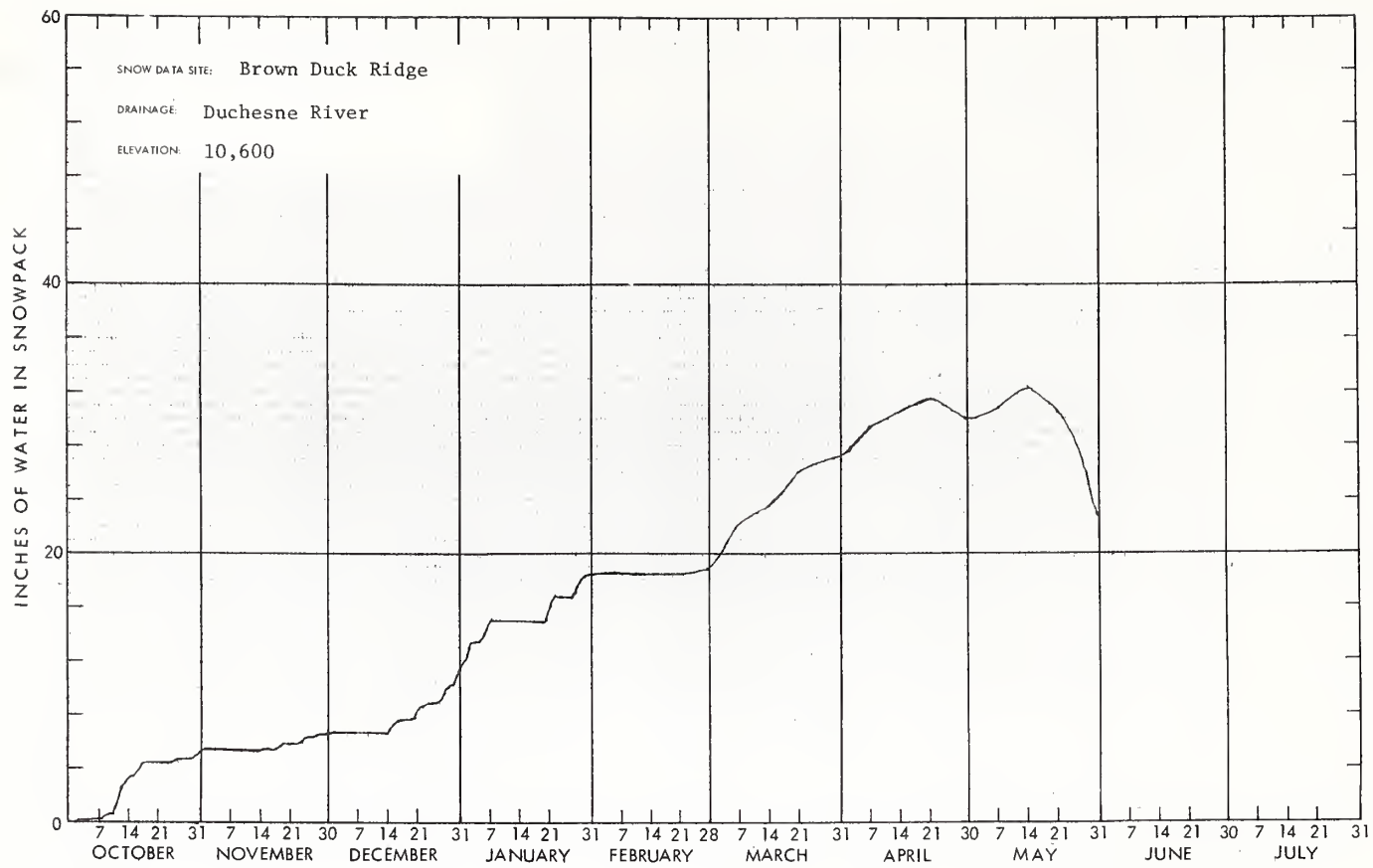


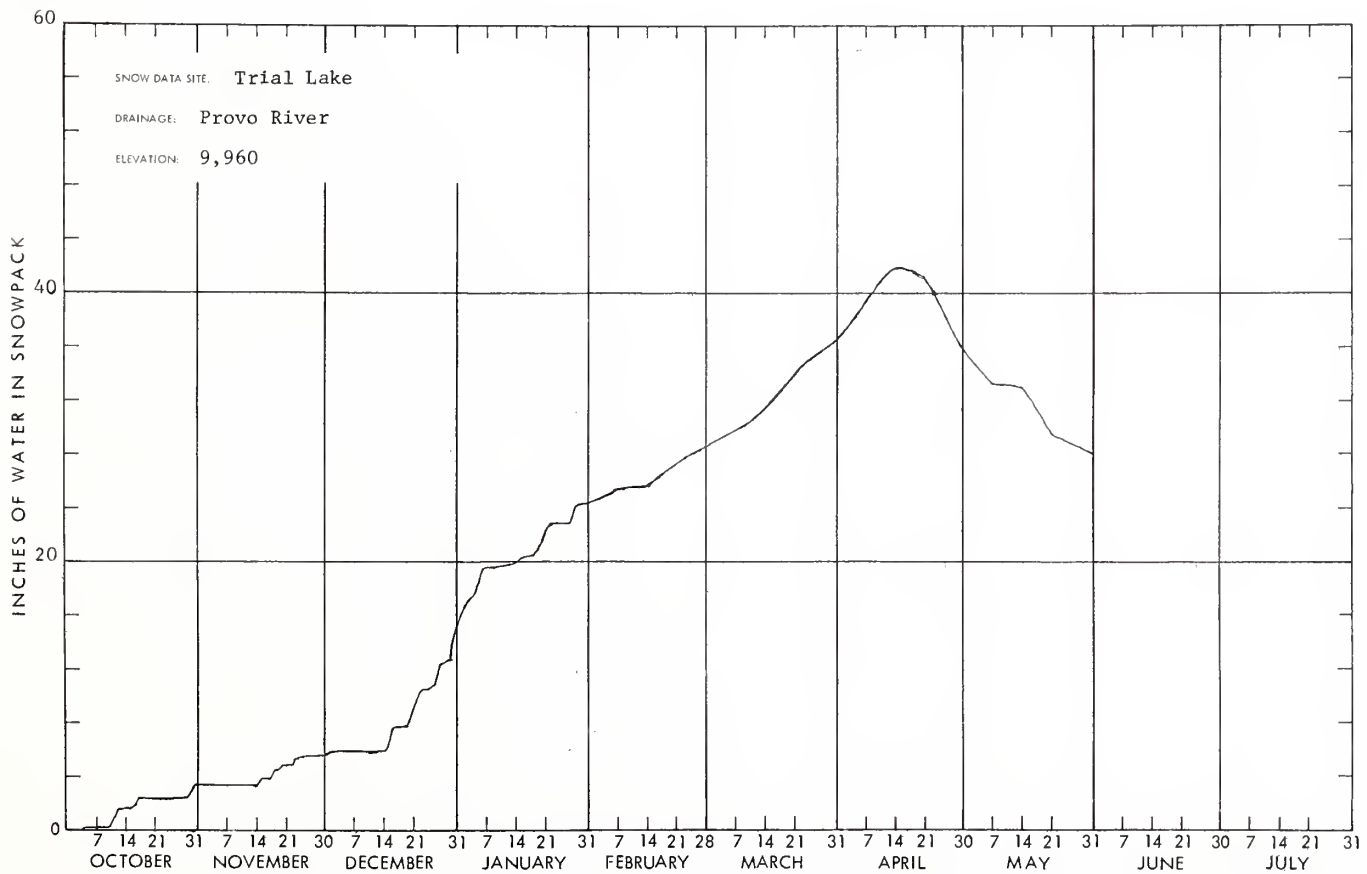
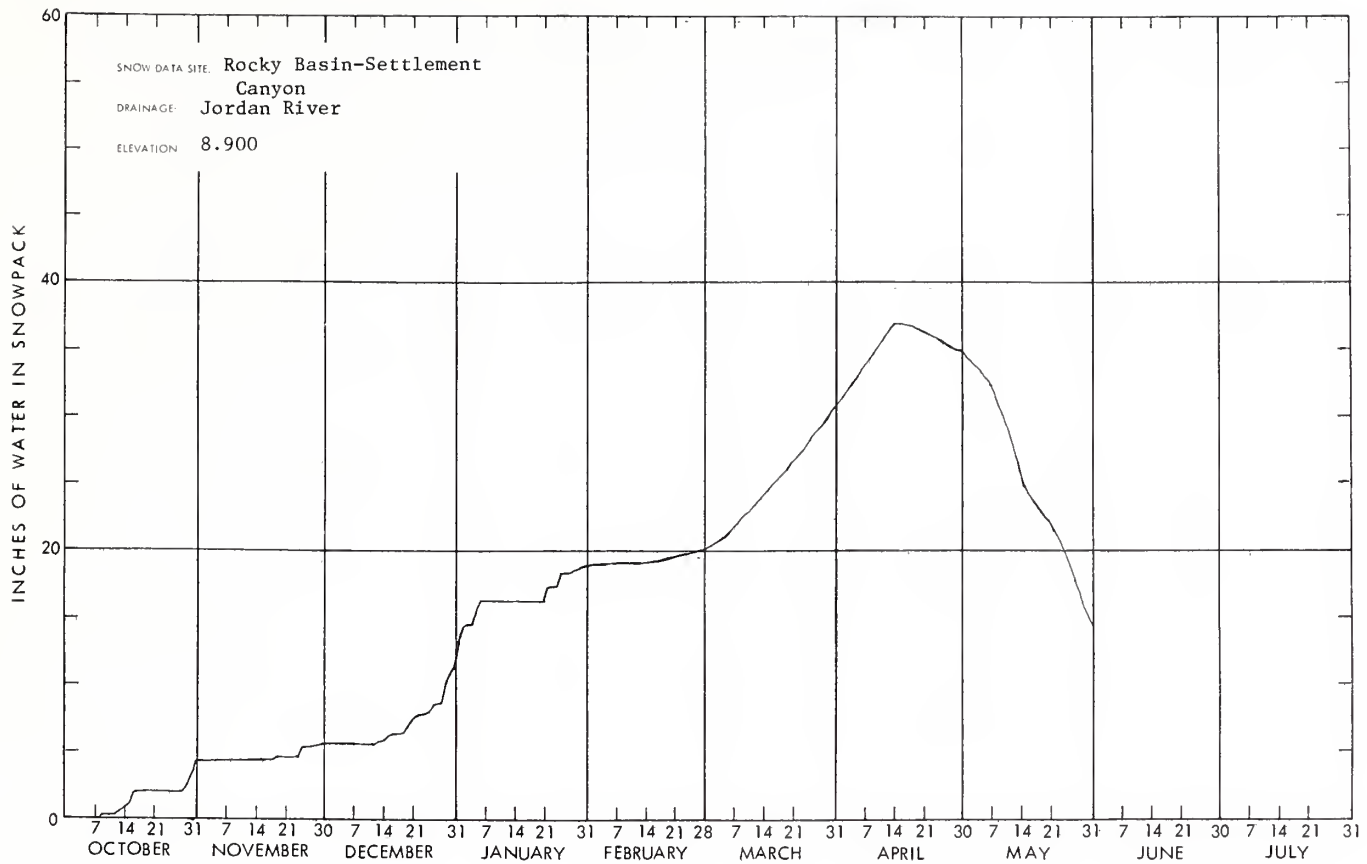


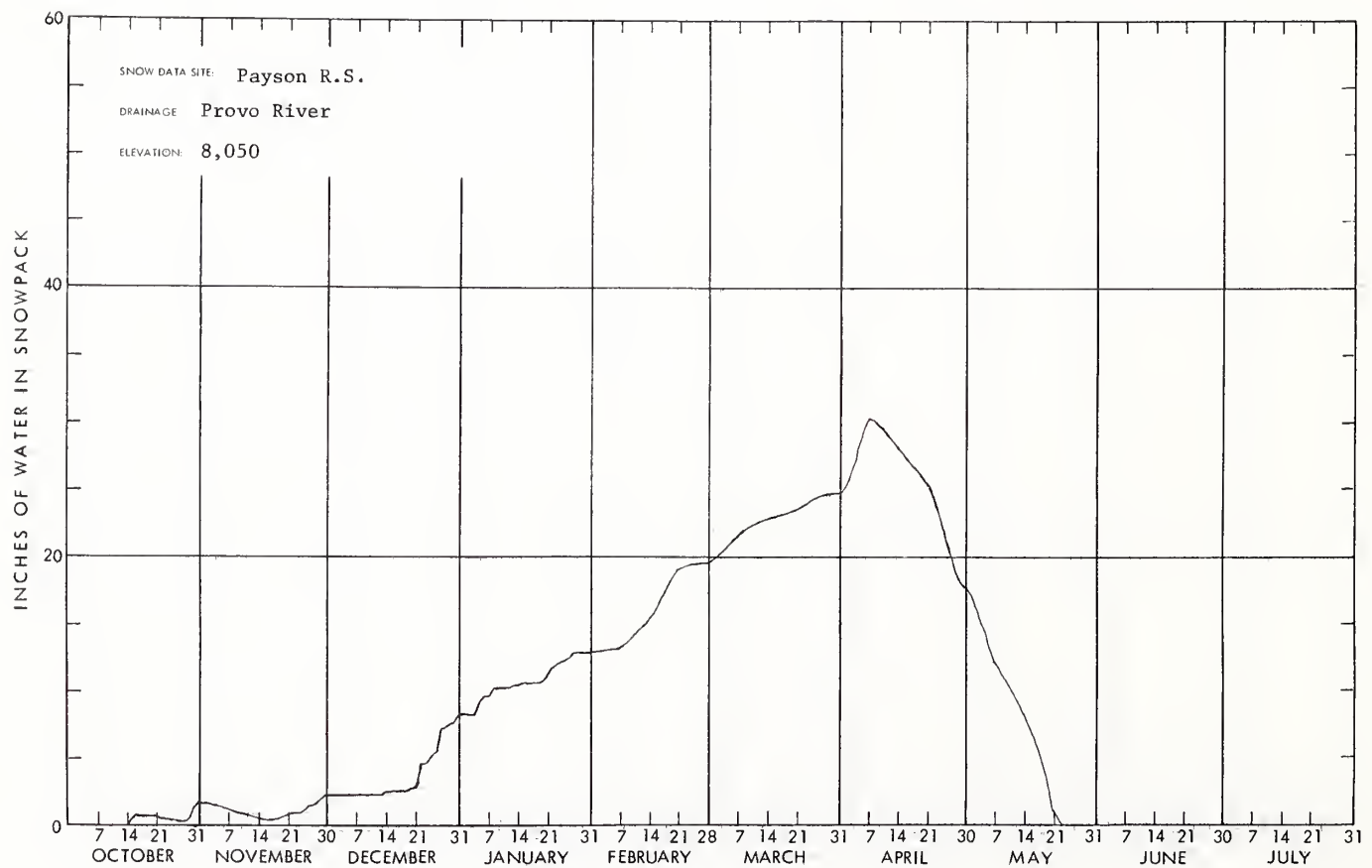
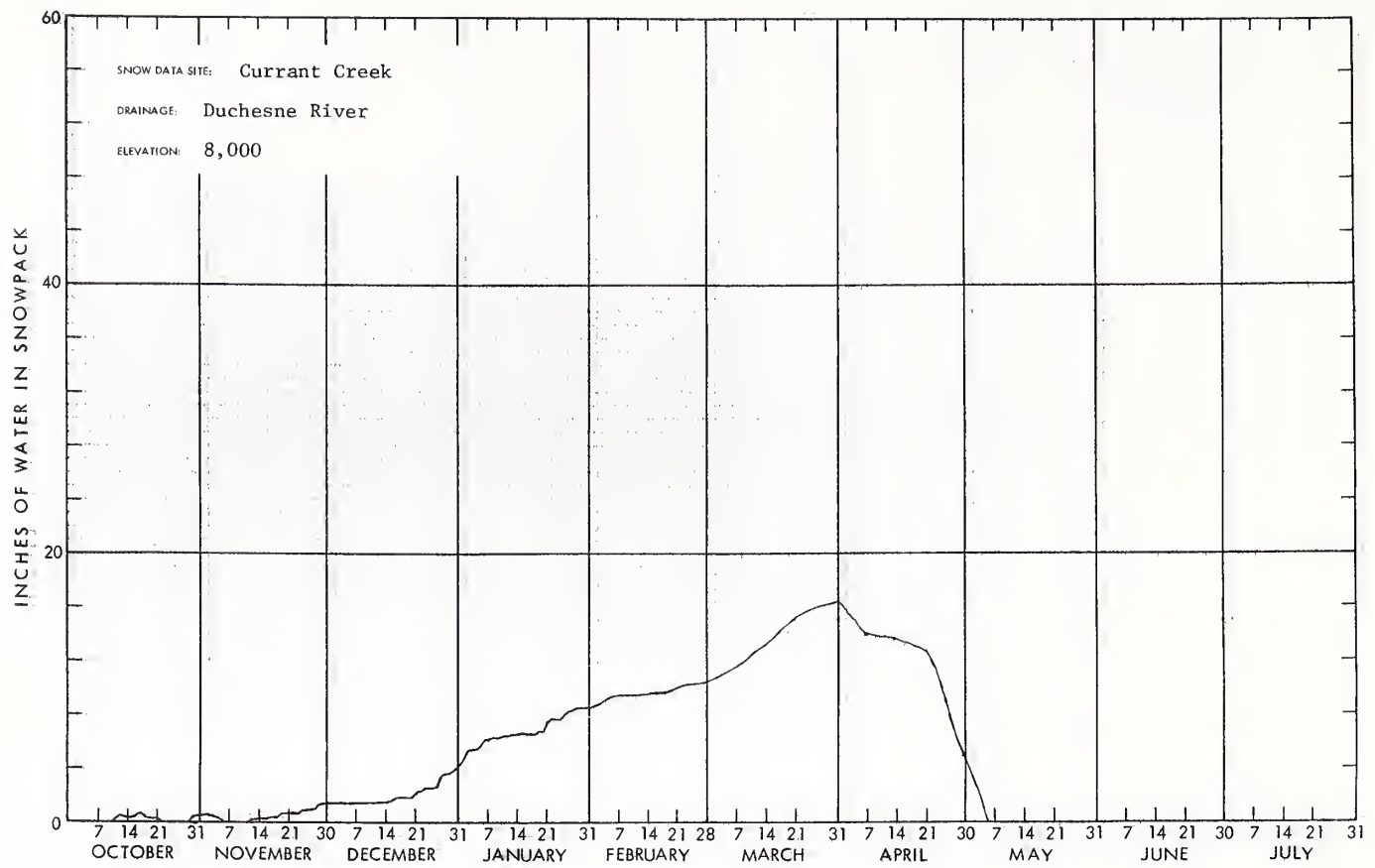


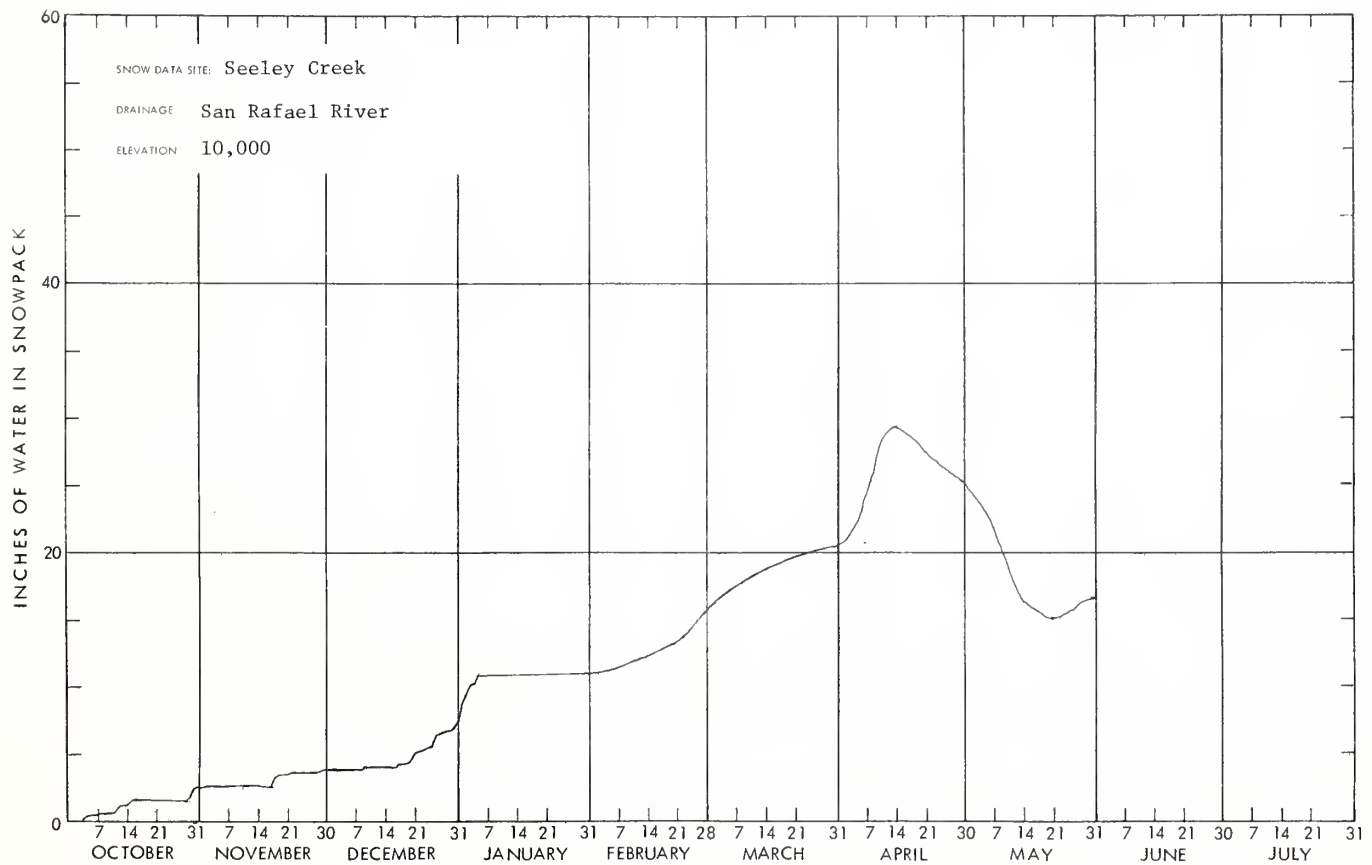
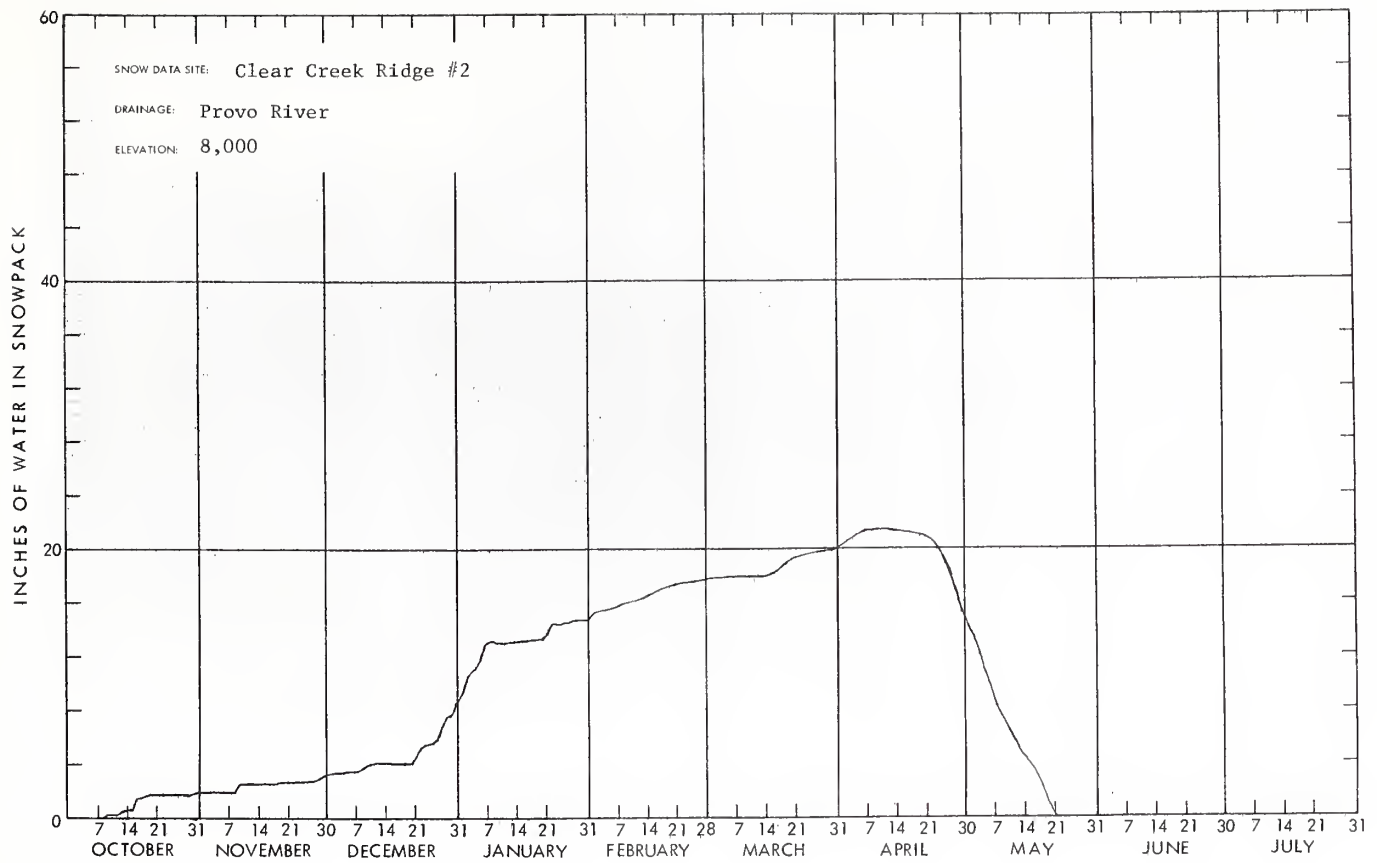


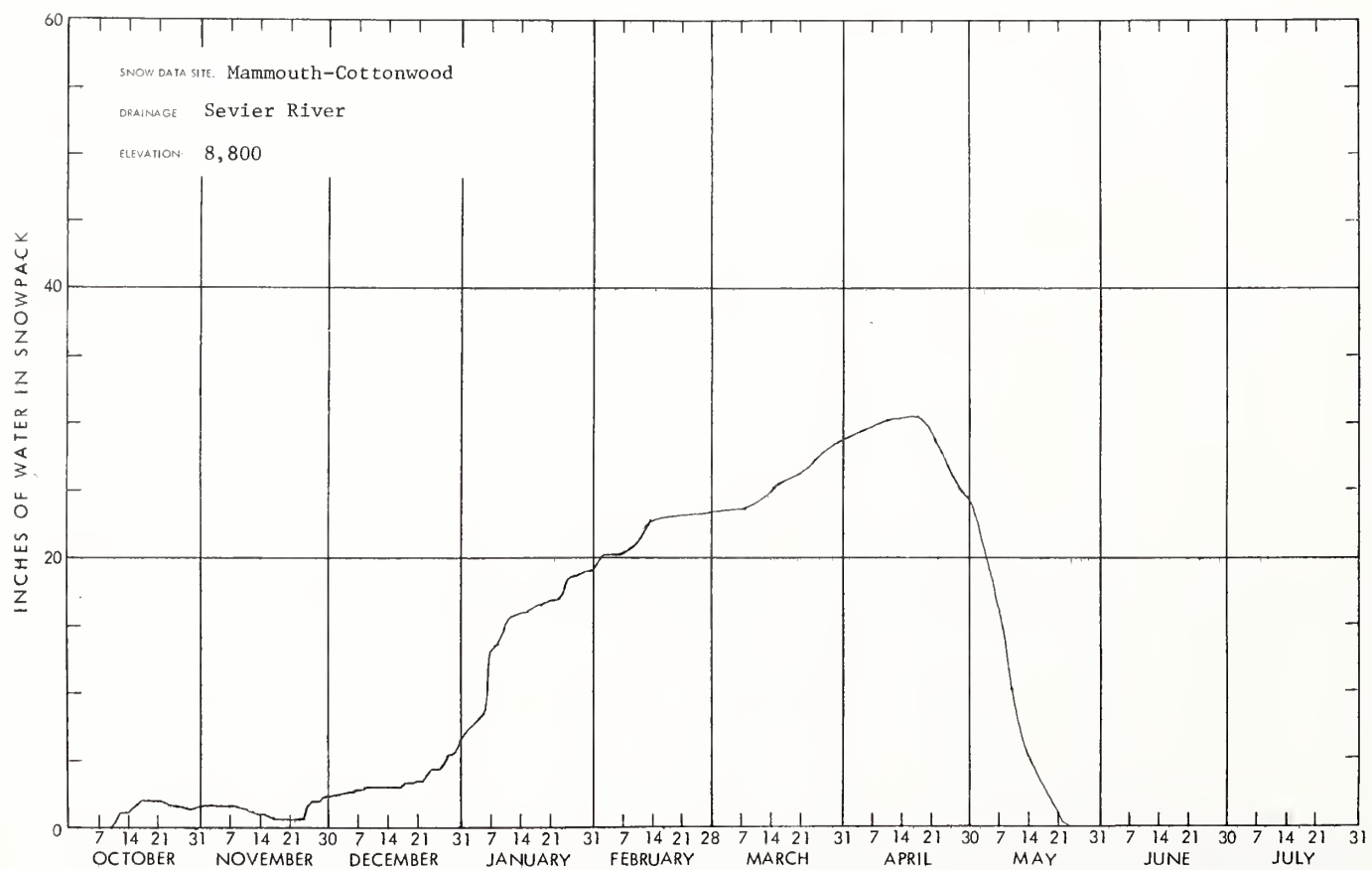
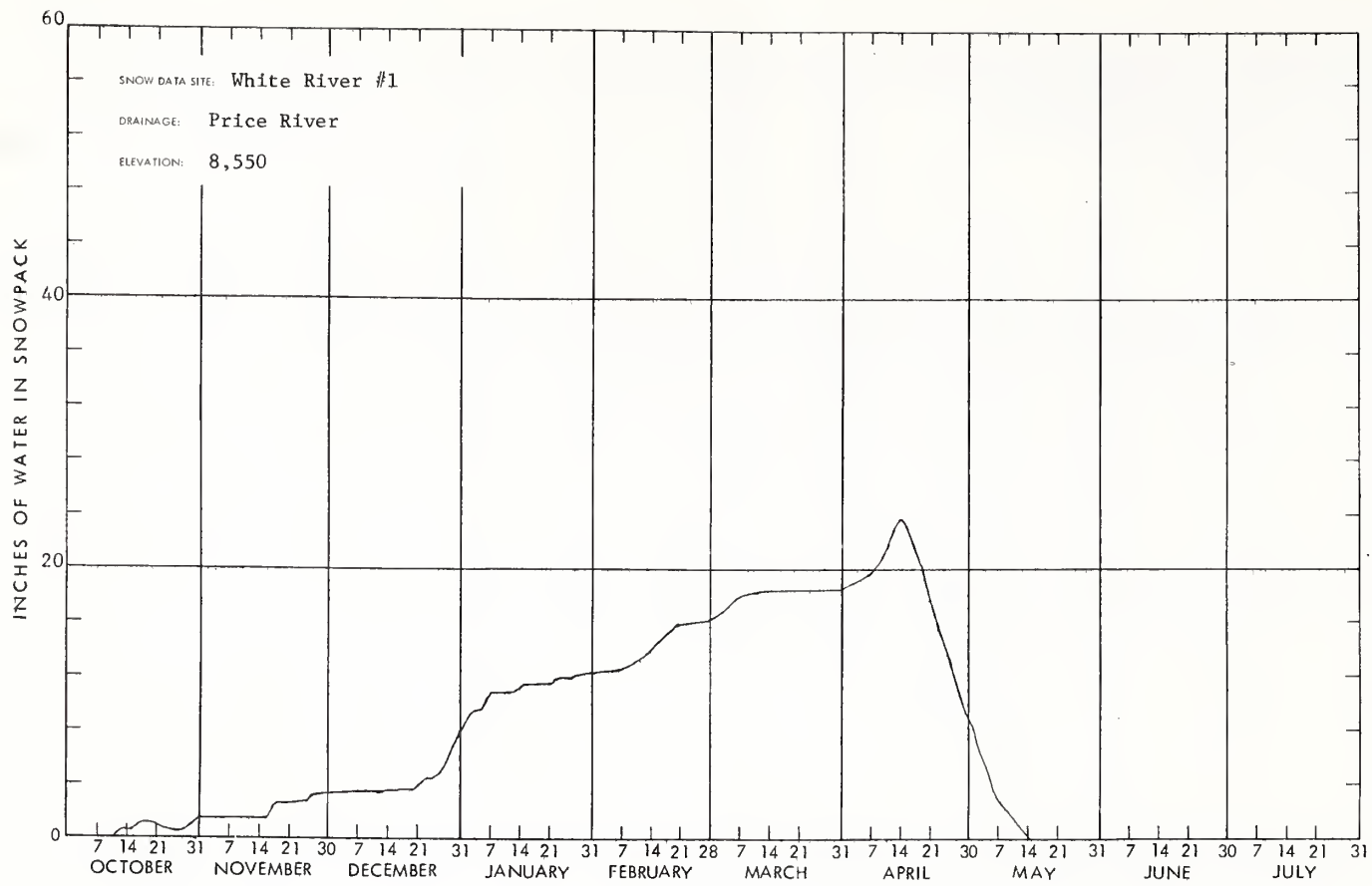


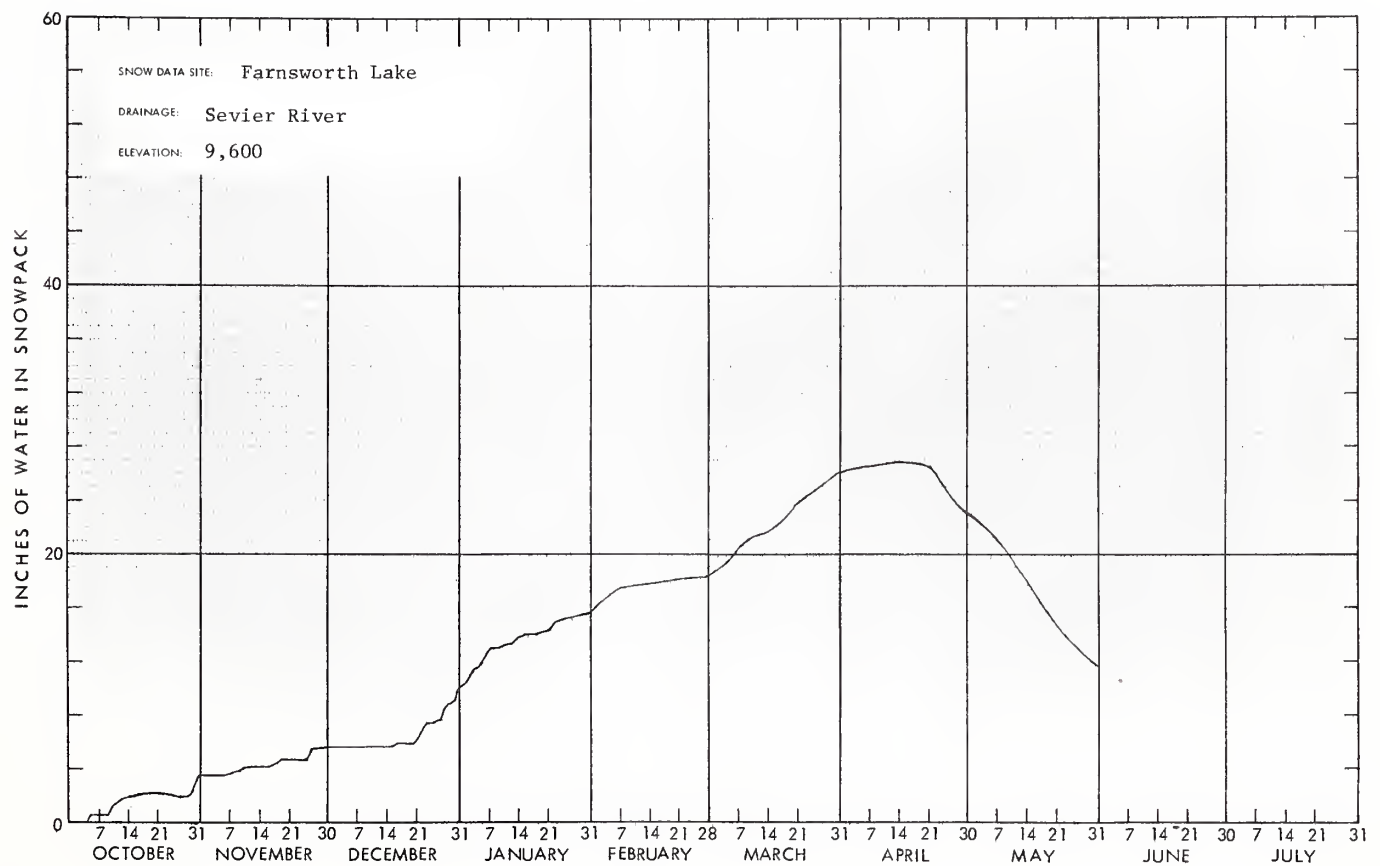
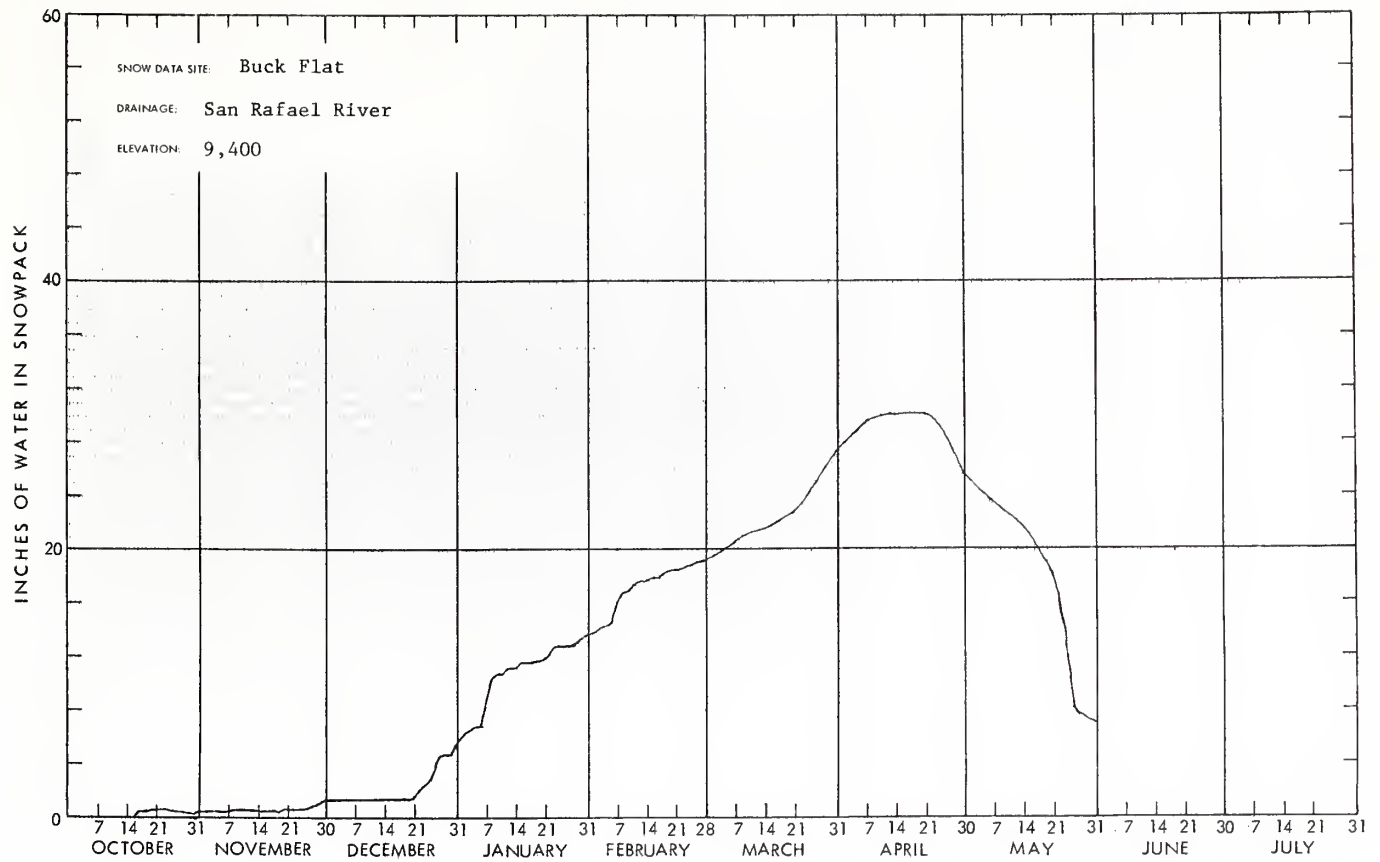


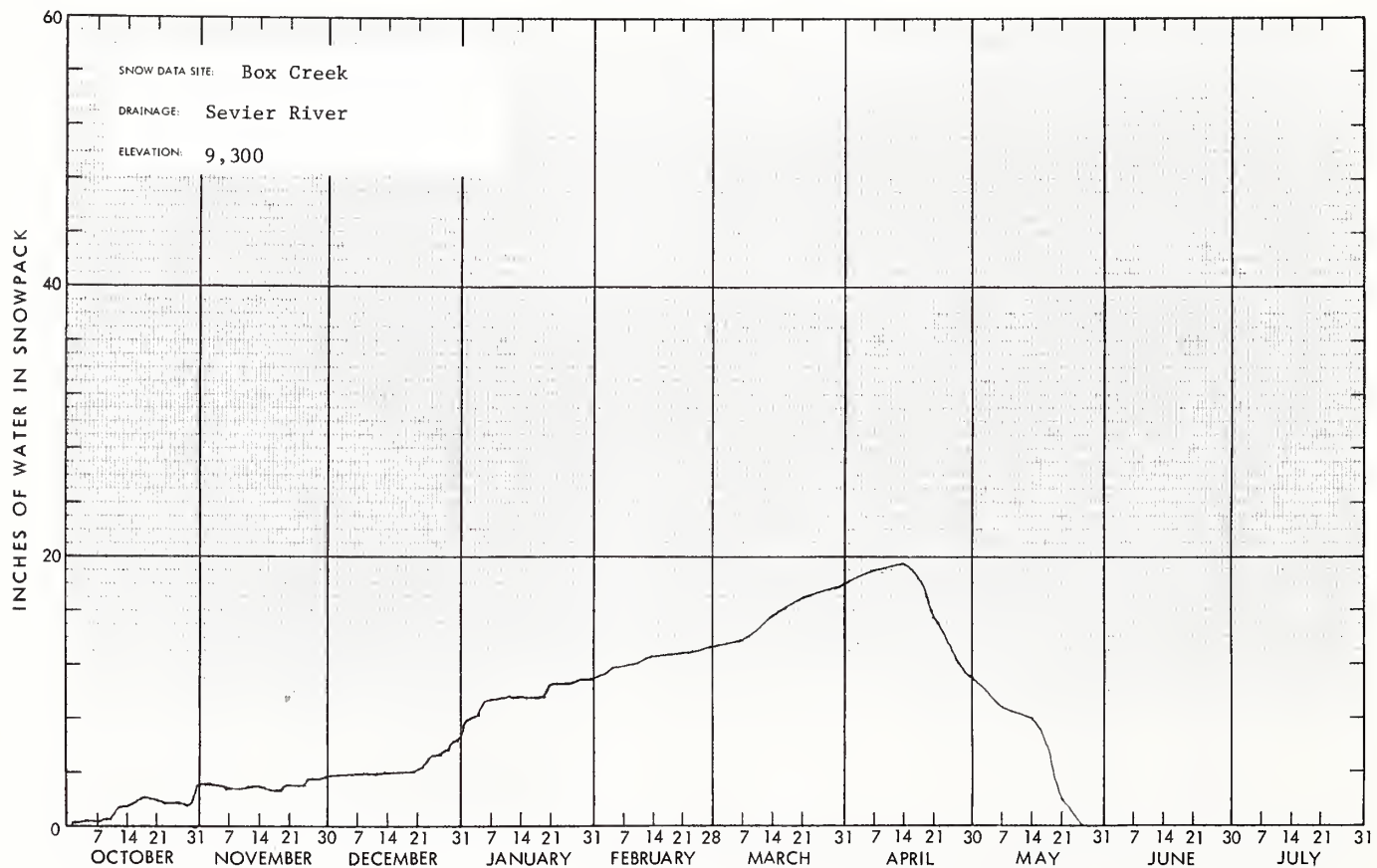
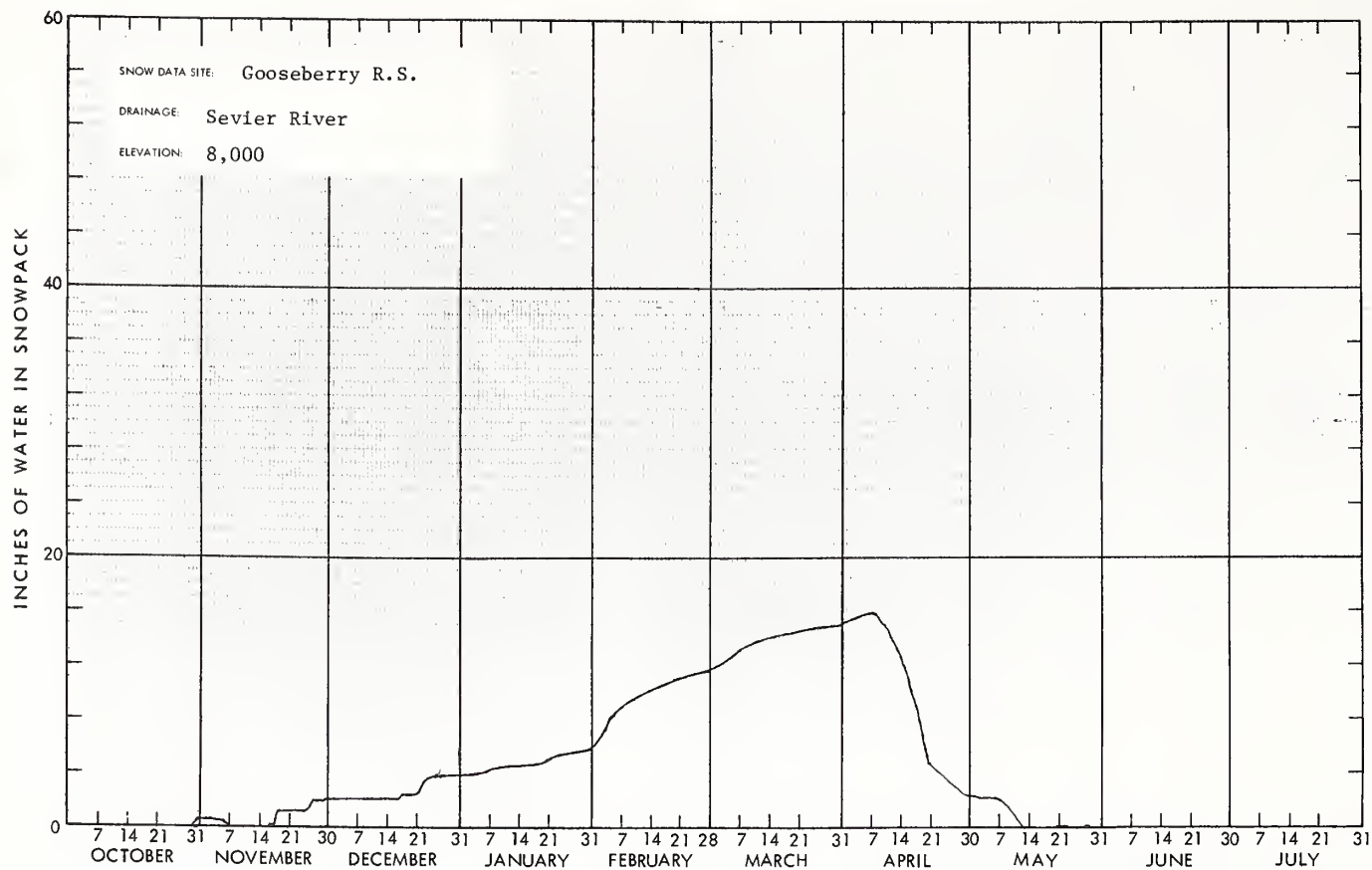


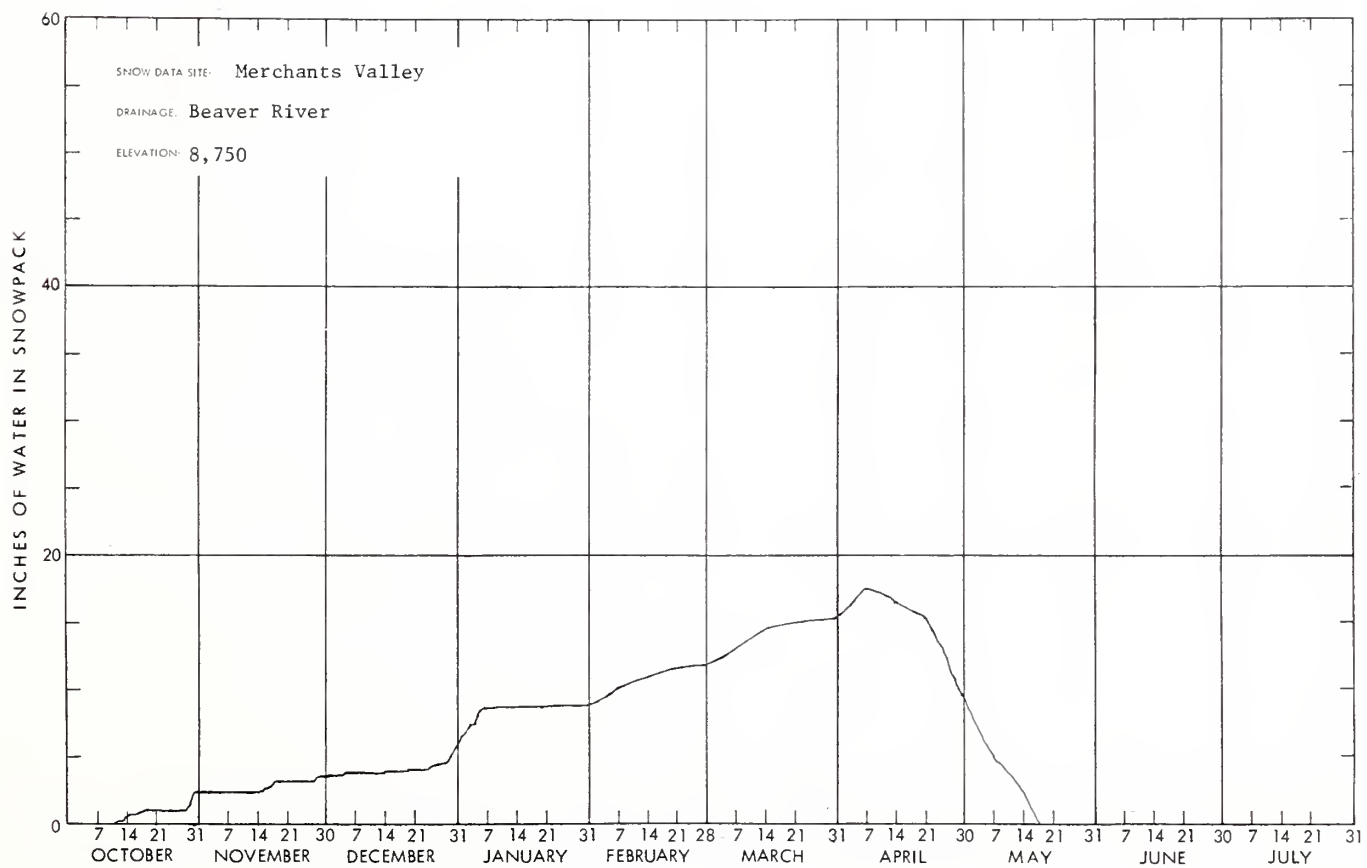
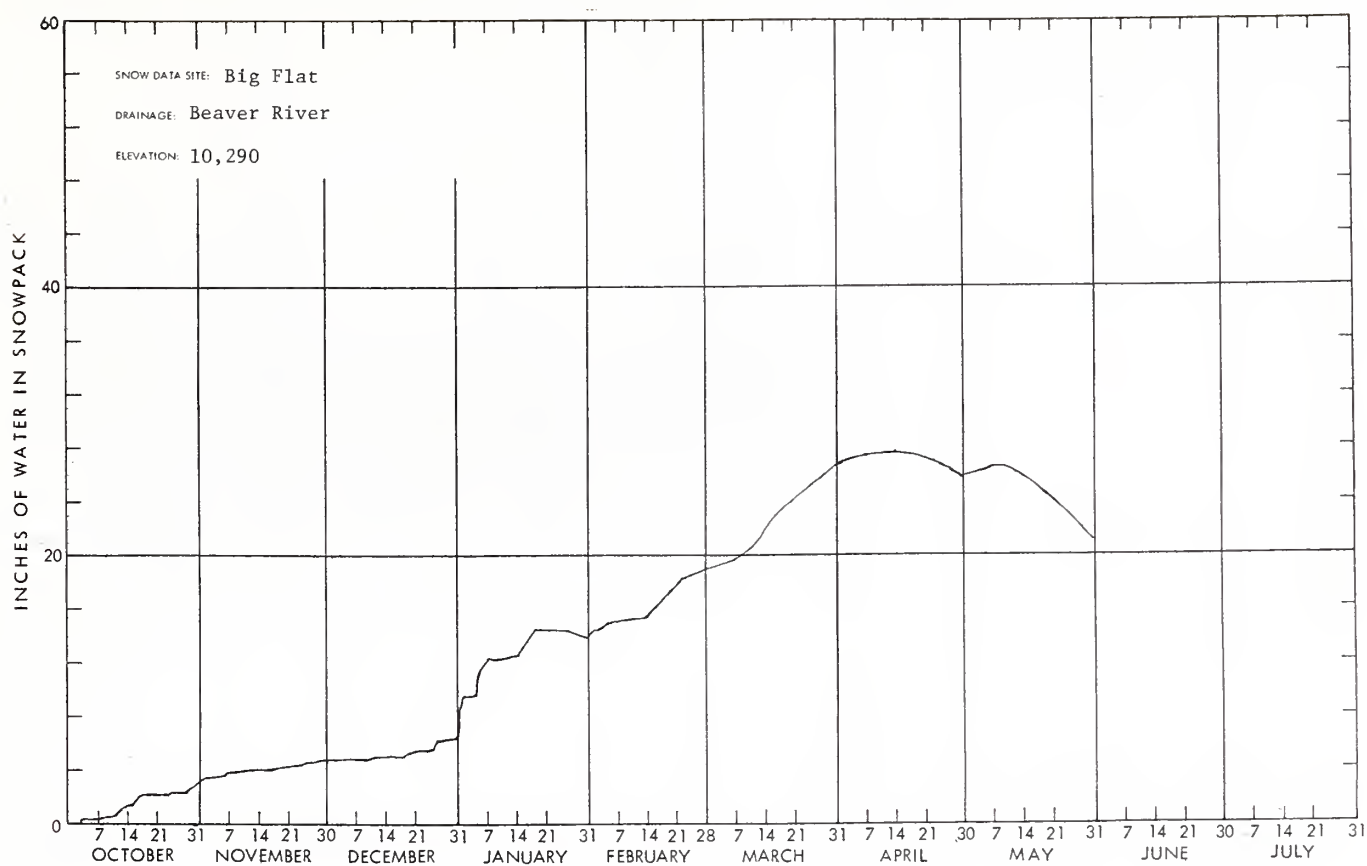


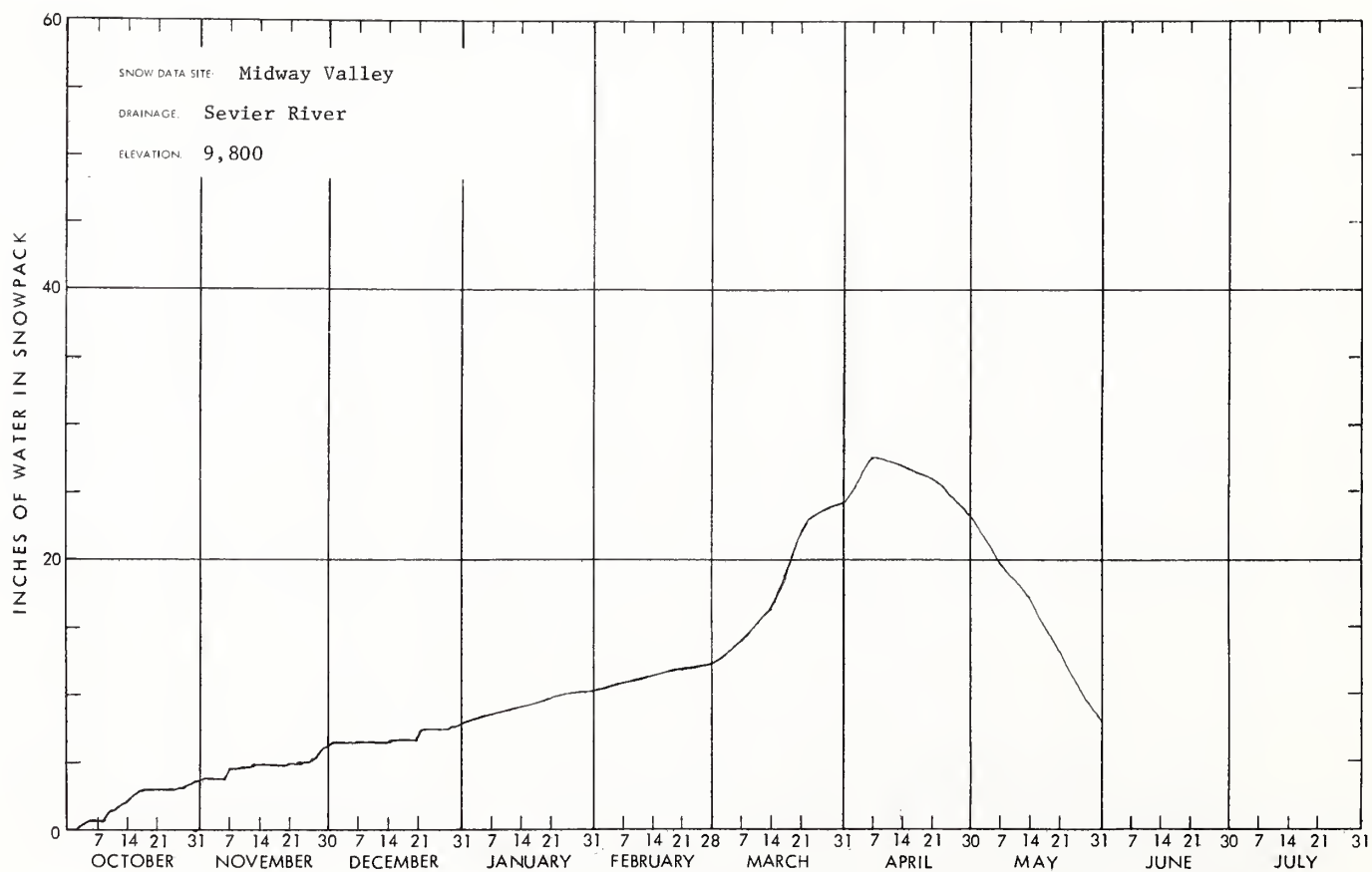
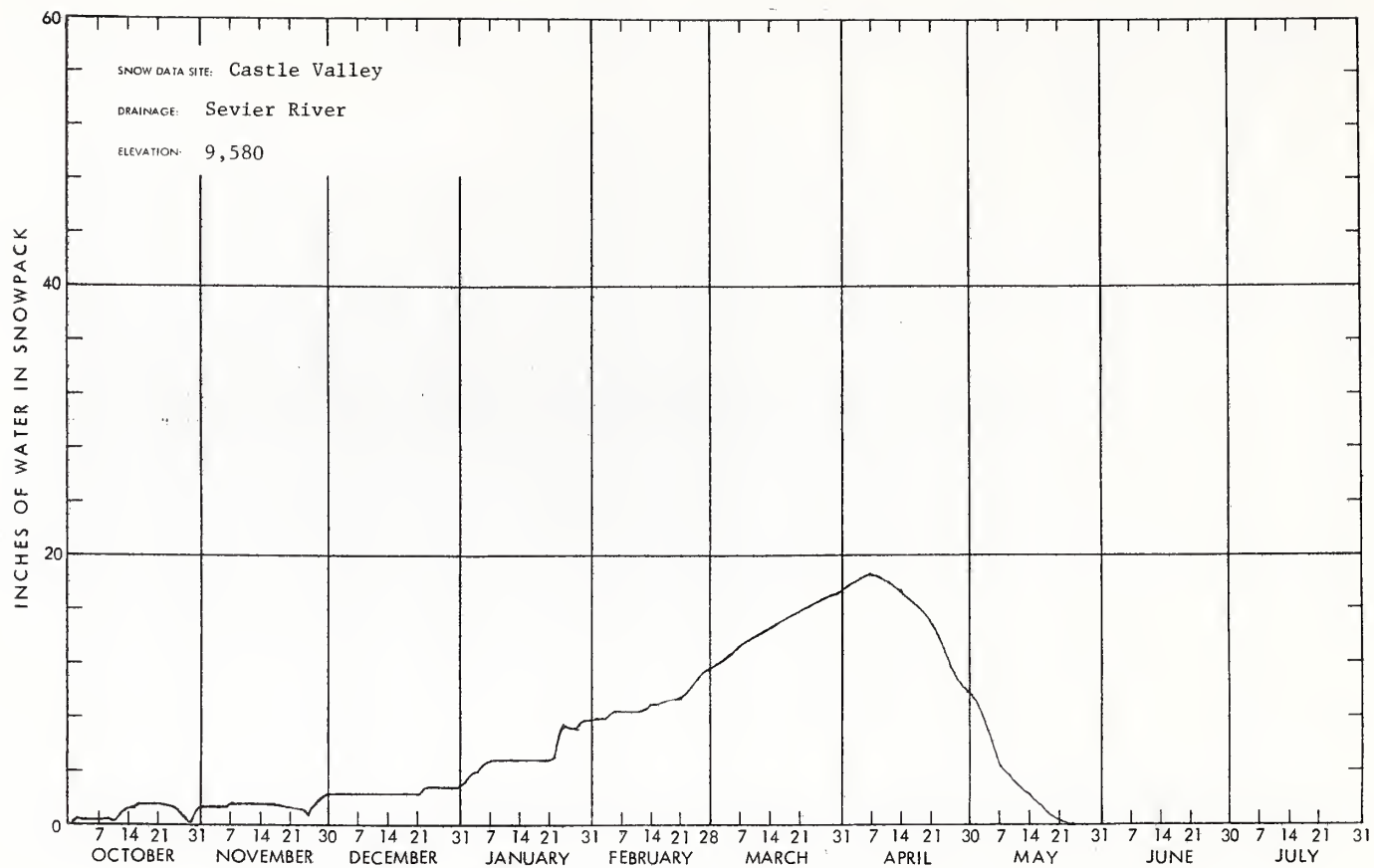




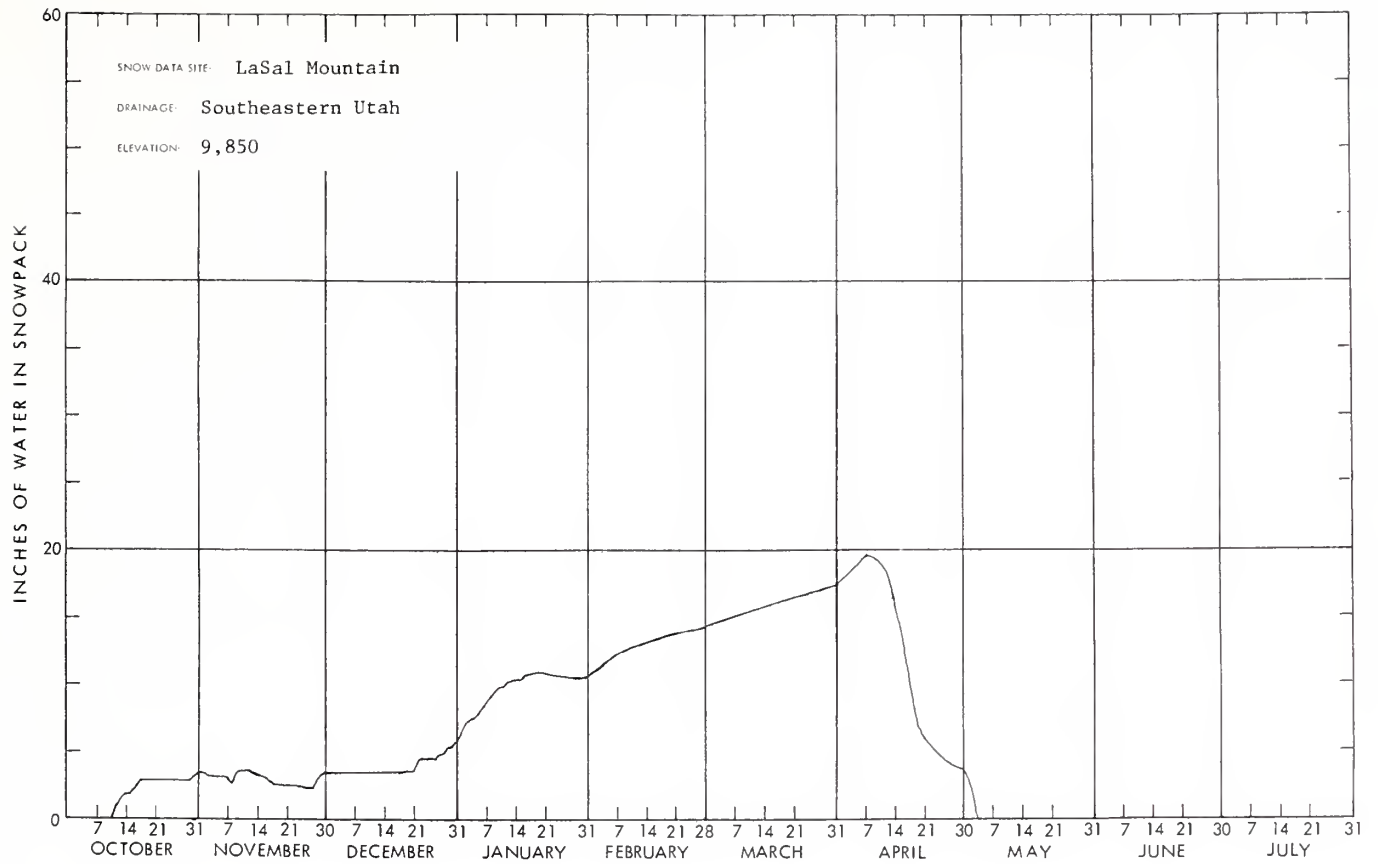




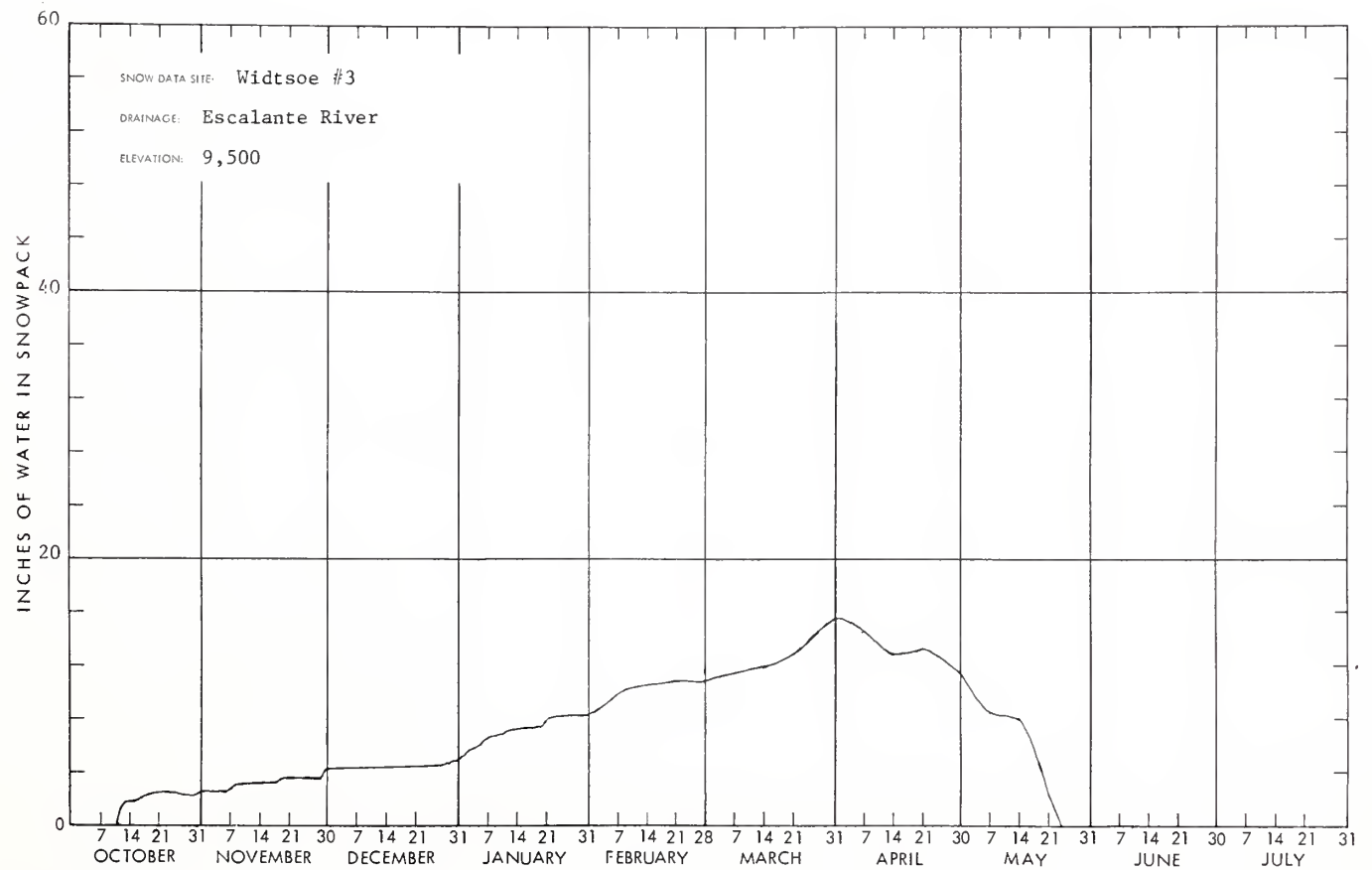




WSFB-X13C



WSFB-X13A



GREAT BASIN DRAINAGE

LEGEND
Numbering System (example)

10J7	Snow Course Only.
10J7P	Snow Course and Precipitation Gage.
10J7M	Snow Course and Soil Moisture Station
10J7A	Snow Course and Aerial Marker.
10J7MA	Snow Course, Soil Moisture Station and Aerial Marker.
10J7MP	Snow Course, Soil Moisture Station and Precipitation Gage.
10J7A	Snow Course, Soil Moisture Station and Aerial Marker Only.
10J7P	Storage Precipitation Gage Only.
10J7PS	Snow Course, Precipitation Gage, and Soil Moisture Station.
10J7PST	Spotel Data Site.

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture
 - Soil Conservation Service
 - Forest Service
- U. S. Department of Commerce
 - NOAA, National Weather Service
- U. S. Department of Interior
 - Bureau of Reclamation
 - Geological Survey
 - National Park Service

STATE AGENCIES

- Utah State University
- Utah State Department of Natural Resources
 - Division of Wildlife Resources
 - Division of Water Resources
 - Division of Water Rights
 - Bear River Commissioner
 - Price River Commissioner
 - Provo River Commissioner
 - Sevier River Commissioners
 - Spanish Fork River Commissioner
 - Utah Lake and Jordan River Commissioner

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Central Utah Conservancy District
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association
- Weber River Water Users Association
- Weber Basin Conservancy District

PRIVATE AGENCIES

- Kaiser Steel Corporation

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FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*